

CS 105

What Will We Do Today?

- Look at some mountains
- Drop some names using binary search
- Learn three new formulas

Welcome to my World!





	A	C	D	E
1				
4		Abba Yared	4,416	14,488
5		Abi Gamin	7,355	24,131
6		Aconcagua	6,962	22,841
7		Acotango	6,050	19,849
8		Aletschhorn	4,195	13,763
9		Alpamayo	5,947	19,511
10		Alum Kuh	4,840	15,879
11		Ama Dablam	6,856	22,493
12		Ampato	6,360	20,866
13		Ancohumana	6,427	21,086

VLOOKUP

=VLOOKUP("Ampato",C:E,2,FALSE)

	A	C	D	E
1				
4	Abba Yared		4,416	14,488
5	Abi Gamin		7,355	24,131
6	Aconcagua		6,962	22,841
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1 2 3

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So about that FALSE:

=VLOOKUP("Ampato",C:E,2,FALSE)

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Use binary search?



=VLOOKUP("Ampato",C:E,2)

So about that FALSE:

=VLOOKUP("Ampato",C:E,2,FALSE)

Is Data Sorted?

Is an Approximate Answer OK?

=VLOOKUP("Ampato",C:E,2)

To Use Binary Search...

*...your search array
must be sorted*

Why Sort Anything?

Why Sort Anything?

Say you need a chisel...

Why Sort Anything?

Say you need a chisel...



Why Sort Anything?

Say you need a chisel...



Worksheet Time!

*On the **left** side, find
this name:*

Let's Try This!

*On the **left** side, find
this name:*

Let's Try This!

*On the **left** side, find
this name:*

Peyton

Let's Try This!

*On the **left** side, find
this name:*

Let's Try This!

*On the **left** side, find
this name:*

Elijah

Let's Try Something Else!

*Find this name on the
right side:*

Let's Try Something Else!

*Find this name on the
right side:*

Makayla

Let's Try Something Else!

*Find this name on the
right side:*

Let's Try Something Else!

*Find this name on the
right side:*

Alyssa

Where's Robert?

Where's Robert?

Find Robert in a list of 2000 names

A	Adrian	Octavio	Quinten	Reynaldo	Ryan	Shakira	Sonny	Tariq	Tracy	Vernon	
	Alicia	Nadia	Odalis	Quintin	Rhett	Ryann	Shamar	Sonya	Taryn	Trae	Veronica
	Alexis	Nadine	Odalys	Quinton	Rhiannon	Ryder	Shana	Sophia	Tasha	Travis	Vicente
	Alfred	Nancy	Oliver	Rachael	Ricardo	Rylan	Shane	Sophie	Tate	Travon	Victor
	Alma	Naomi	Olivia	Racheal	Richard	Rylee	Shania	Spencer	Tatiana	Tre	Victoria
	Alvin	Nash	Omar	Rachel	Rick	Ryley	Shanice	Stacey	Tatianna	Trent	Vincent
	Alvin	Nasir	Omari	Rachelle	Rickey	Rylle	Shanna	Stacy	Tatum	Trenton	Virginia
	Alvin	Natalia	Orion	Raegan	Ricky	Sabrina	Shannon	Stanley	Tatyana	Trever	Vivian
	Alvin	Natalie	Orlando	Raekwon	Rico	Sade	Shannon	Star	Taya	Trevon	Viviana
	Alvin	Nataly	Oscar	Rafael	Rigoberto	Sadie	Shantel	Starr	Taylor	Trevor	Wade
B	Bernard	Natasha	Oswaldo	Raheem	Riley	Sage	Shaquan	Stefan	Taylor	Trey	Walker
	Bernard	Nathalie	Owen	Ralph	Riley	Sage	Sharon	Stefanie	Taylor	Treyvon	Walter
	Bernard	Nathan	Pablo	Ramiro	Rita	Sally	Shaun	Stephan	Taylor	Trinity	Warren
	Bernard	Nathanael	Paige	Ramon	River	Salma	Shauna	Stephanie	Tea	Trisha	Waylon
	Bernard	Nathanial	Paloma	Ramsey	Robert	Salvador	Shawn	Stephany	Terence	Tristan	Wayne
	Bernard	Nathaniel	Pamela	Randall	Roberto	Salvatore	Shawna	Stephen	Teresa	Tristan	Wendy
	Bernard	Nautica	Paola	Randi	Robin	Sam	Shayla	Stephon	Terrance	Tristen	Wesley
	Bernard	Nayeli	Paris	Randy	Robin	Samantha	Shaylee	Sterling	Terrell	Tristen	Weston
	Bernard	Neal	Paris	Raphael	Robyn	Samara	Shayna	Steve	Terrence	Tristian	Whitney
	Bernard	Neil	Parker	Raquel	Rochelle	Samir	Shayne	Steven	Terri	Tristin	Will
C	Carl	Nelson	Patience	Rashad	Rocio	Sammy	Shea	Stevie	Terry	Triston	William
	Carl	Nestor	Patricia	Rashawn	Rocky	Samson	Shea	Stone	Tess	Troy	Willie
	Carl	Nia	Patrick	Rasheed	Roderick	Samuel	Sheila	Storm	Tessa	Trystan	Wilson
	Carl	Nicholas	Paul	Raul	Rodney	Sandra	Shelbi	Stormy	Tevin	Tucker	Winston
	Carl	Nichole	Paula	Raven	Rodolfo	Sandy	Shelbie	Stuart	Thaddeus	Turner	Wyatt
	Carl	Nick	Paulina	Raven	Rodrigo	Santiago	Shelby	Summer	Thalia	Ty	Xavier
	Carl	Nicklaus	Pauline	Ray	Rogelio	Santos	Shelby	Susan	Theodore	Tyler	Xena
	Carl	Nickolas	Paxton	Raymond	Roger	Sara	Sheldon	Susana	Theresa	Tyler	Yadira
	Carl	Nico	Payton	Raymundo	Rohan	Sarah	Sheridan	Susanna	Thomas	Tylor	Yasmeen
	Carl	Nicolas	Payton	Reagan	Roland	Sarai	Shianne	Suzanne	Tia	Tyquan	Yasmin
D	Daniel	Nicole	Pedro	Reagan	Rolando	Sarina	Shirley	Sydney	Tiana	Tyra	Yasmine
	Daniel	Nicolette	Perla	Rebeca	Roman	Sasha	Shyann	Sydney	Tianna	Tyree	Yazmin
	Daniel	Nigel	Perry	Rebecca	Romeo	Saul	Shyanne	Sydni	Tiara	Tyrell	Yesenia
	Daniel	Nikhil	Peter	Rebekah	Ronald	Savana	Sidney	Sydney	Tierra	Tyron	Yessenia
	Daniel	Nikita	Peyton	Reece	Ronaldo	Savannah	Sidney	Syed	Tiffani	Tyrone	Yolanda
	Daniel	Nikki	Peyton	Reed	Ronnie	Savanna	Sienna	Sylvia	Tiffany	Tyshawn	Yulisa
	Daniel	Niko	Phillip	Reese	Rory	Savannah	Sierra	Tabatha	Timothy	Tyson	Yulissa
	Daniel	Nikolas	Phillip	Regan	Rosa	Sawyer	Silas	Tabitha	Tina	Ulises	Yvette
	Daniel	Nina	Phoebe	Regina	Rose	Scarlett	Silvia	Talia	Titus	Ulysses	Yvonne
	Daniel	Noah	Phoenix	Reginald	Rosemary	Scott	Simeon	Talon	Tobias	Unique	Zachariah
E	Edgar	Noe	Pierce	Reid	Ross	Seamus	Simon	Tamara	Toby	Uriah	Zachary
	Edgar	Noel	Pierre	Reilly	Roxanne	Sean	Simone	Tamera	Todd	Uriel	Zachery
	Edgar	Noel	Precious	Reilly	Roy	Sebastian	Skye	Tamia	Tomas	Valentin	Zackary
	Edgar	Noelle	Preston	Reina	Royce	Selena	Skylar	Tammy	Tommy	Valentina	Zackery
	Edgar	Noemi	Princess	Remington	Ruben	Selina	Skylar	Tania	Toni	Valeria	Zakary
	Edgar	Nolan	Priscilla	Rene	Ruby	Serena	Skylar	Tanisha	Tony	Valerie	Zane
	Edgar	Nora	Quentin	Renee	Rudy	Serenity	Skylar	Tanner	Tonya	Vance	Zaria
	Edgar	Norma	Quincy	Reuben	Russell	Sergio	Sofia	Tanya	Tori	Vanessa	Zechariah
	Edgar	Norman	Quinn	Rex	Ruth	Seth	Solomon	Tara	Trace	Vanessa	Zoe
	Edgar	Octavia	Quinn	Reyna	Ryan	Shaina	Sonia	Tarik	Tracy	Vaughn	Zoey

Myron	Octavio	Quinten	Reynaldo	Ryan	Shakira	Sonny	Tariq	Tracy	Vernon
	Nadia	Odalis	Quintin	Rhett	Ryann	Shamar	Taryn	Trae	Veronica
	Nadine	Odalys	Quinton	Rhiannon	Ryder	Shana	Sophia	Tasha	Travis
	Nancy	Oliver	Rachael	Ricardo	Rylan	Shane	Sophie	Tate	Travon
	Naomi	Olivia	Racheal	Richard	Rylee	Shania	Spencer	Tatiana	Tre
	Nash	Omar	Rachel	Rick	Ryley	Shanice	Stacey	Tatianna	Trent
	Nasir	Omari	Rachelle	Rickey	Rylle	Shanna	Stacy	Tatum	Trenton
	Natalia	Orion	Raegan	Ricky	Sabrina	Shannon	Stanley	Tatyana	Trever
	Natalie	Orlando	Raekwon	Rico	Sade	Shannon	Star	Taya	Trevon
	Nataly	Oscar	Rafael	Rigoberto	Sadie	Shantel	Starr	Taylor	Trevor
	Natasha	Oswaldo	Raheem	Riley	Sage	Shaquan	Stefan	Taylor	Trey
	Nathalie	Owen	Ralph	Riley	Sage	Sharon	Stefanie	Taylor	Treyvon
	Nathan	Pablo	Ramiro	Rita	Sally	Shaun	Stephan	Taylor	Trinity
	Nathanael	Paige	Ramon	River	Salma	Shauna	Stephanie	Tea	Trisha
	Nathanial	Paloma	Ramsey	Robert	Salvador	Shawn	Stephany	Terence	Tristan
	Nathaniel	Pamela	Randall	Roberto	Salvatore	Shawna	Stephen	Teresa	Tristan
	Nautica	Paola	Randi	Robin	Sam	Shayla	Stephon	Terrance	Tristen
	Nayeli	Paris	Randy	Robin	Samantha	Shaylee	Sterling	Terrell	Tristen
	Neal	Paris	Raphael	Robyn	Samara	Shayna	Steve	Terrence	Tristian
	Neil	Parker	Raquel	Rochelle	Samir	Shayne	Steven	Terri	Tristin
Nelson	Patience	Rashad	Rocio	Sammy	Shea	Stevie	Terry	Triston	
Nestor	Patricia	Rashawn	Rocky	Samson	Shea	Stone	Tess	Troy	
Nia	Patrick	Rasheed	Roderick	Samuel	Sheila	Storm	Tessa	Trystan	
Nicholas	Paul	Raul	Rodney	Sandra	Shelbi	Stormy	Tevin	Tucker	
Nichole	Paula	Raven	Rodolfo	Sandy	Shelbie	Stuart	Thaddeus	Turner	
Nick	Paulina	Raven	Rodrigo	Santiago	Shelby	Summer	Thalia	Ty	
Nicklaus	Pauline	Ray	Rogelio	Santos	Shelby	Susan	Theodore	Tyler	
Nickolas	Paxton	Raymond	Roger	Sara	Sheldon	Susana	Theresa	Tyler	
Nico	Payton	Raymundo	Rohan	Sarah	Sheridan	Susanna	Thomas	Tylor	
Nicolas	Payton	Reagan	Roland	Sarai	Shianne	Suzanne	Tia	Tyquan	
Nicole	Pedro	Reagan	Rolando	Sarina	Shirley	Sydney	Tiana	Tyra	
Nicolette	Perla	Rebeca	Roman	Sasha	Shyann	Sydney	Tianna	Tyree	
Nigel	Perry	Rebecca	Romeo	Saul	Shyanne	Sydni	Tiara	Tyrell	
Nikhil	Peter	Rebekah	Ronald	Savana	Sidney	Sydney	Tierra	Tyron	
Nikita	Peyton	Reece	Ronaldo	Savannah	Sidney	Syed	Tiffani	Tyrone	
Nikki	Peyton	Reed	Ronnie	Savanna	Sienna	Sylvia	Tiffany	Tyshawn	
Niko	Phillip	Reese	Rory	Savannah	Sierra	Tabatha	Timothy	Tyson	
Nikolas	Phillip	Regan	Rosa	Sawyer	Silas	Tabitha	Tina	Ulises	
Nina	Phoebe	Regina	Rose	Scarlett	Silvia	Talia	Titus	Ulysses	
Noah	Phoenix	Reginald	Rosemary	Scott	Simeon	Talon	Tobias	Unique	
Noe	Pierce	Reid	Ross	Seamus	Simon	Tamara	Toby	Uriah	
Noel	Pierre	Reilly	Roxanne	Sean	Simone	Tamera	Todd	Uriel	
Noel	Precious	Reilly	Roy	Sebastian	Skye	Tamia	Tomas	Valentin	
Noelle	Preston	Reina	Royce	Selena	Skylar	Tammy	Tommy	Valentina	
Noemi	Princess	Remington	Ruben	Selina	Skylar	Tania	Toni	Valeria	
Nolan	Priscilla	Rene	Ruby	Serena	Skyler	Tanisha	Tony	Valerie	
Nora	Quentin	Renee	Rudy	Serenity	Skyler	Tanner	Tonya	Vance	
Norma	Quincy	Reuben	Russell	Sergio	Sofia	Tanya	Tori	Vanessa	
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Nichole	Paula	Raven	Rodolfo	Sandy	Shelbie	Stuart	Thaddeus	Turner
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Nikolas	Phillip	Regan	Rosa	Sawyer	Silas	Tabitha	Tina	Ulises
Nina	Phoebe	Regina	Rose	Scarlett	Silvia	Talia	Titus	Ulysses
Noah	Phoenix	Reginald	Rosemary	Scott	Simeon	Talon	Tobias	Unique
Noe	Pierce	Reid	Ross	Seamus	Simon	Tamara	Toby	Uriah
Noel	Pierre	Reilly	Roxanne	Sean	Simone	Tamera	Todd	Uriel
Noel	Precious	Reilly	Roy	Sebastian	Skye	Tamia	Tomas	Valentin
Noelle	Preston	Reina	Royce	Selena	Skylar	Tammy	Tommy	Valentina
Noemi	Princess	Remington	Ruben	Selina	Skylar	Tania	Toni	Valeria
Nolan	Priscilla	Rene	Ruby	Serena	Skyler	Tanisha	Tony	Valerie
Nora	Quentin	Renee	Rudy	Serenity	Skyler	Tanner	Tonya	Vance
Norma	Quincy	Reuben	Russell	Sergio	Sofia	Tanya	Tori	Vanessa
Norman	Quinn	Rex	Ruth	Seth	Solomon	Tara	Trace	Vanessa
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Shakira

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Nadia	Odalis	Quintin	Rhett	Ryann	Shamar	Sonya	Taryn	Trae	Veronica
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Naomi	Olivia	Racheal	Richard	Rylee	Shania	Spencer	Tatiana	Tre	Victoria
Nash	Omar	Rachel	Rick	Ryley	Shanice	Stacey	Tatianna	Trent	Vincent
Nasir	Omari	Rachelle	Rickey	Rylie	Shanna	Stacy	Tatum	Trenton	Virginia
Natalia	Orion	Raeghan	Ricky	Sabrina	Shannon	Stanley	Tatyana	Trever	Vincent
Natalie	Orlando	Raekwon	Rico	Sade	Shannon	Stanley	Taylor	Trevon	Viviana
Nataly	Oscar	Raegan	Rogelio	Sadiq	Shantel	Stacy	Taylor	Trevor	Walter
Natasha	Osvaldo	Raheem	Riley	Sage	Shaquan	Stefan	Taylor	Trey	Walter
Nathalie	Owen	Ralph	Riley	Sage	Sharon	Stefanie	Taylor	Treyvon	Walter
Nathan	Pablo	Ramiro	Rita	Sally	Shaun	Stephan	Taylor	Trinity	Warren
Nathanael	Paige	Ramon	River	Salma	Shauna	Stephanie	Tea	Trisha	Waylon
Nathanial	Paloma	Ramsey	Robert	Salvador	Shawn	Stephany	Terence	Tristan	Wayne
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Neil	Parker	Raquel	Rochelle	Samir	Shayne	Steven	Terri	Tristin	Will
Nelson	Patience	Rashad	Rocio	Sammy	Shea	Stevie	Terry	Triston	William
Nestor	Patricia	Rashawn	Rocky	Samson	Shea	Stone	Tess	Troy	Willie
Nia	Patrick	Rasheed	Roderick	Samuel	Sheila	Storm	Tessa	Trystan	Wilson
Nicholas	Paul	Raul	Rodney	Sandra	Shelbi	Stormy	Tevin	Tucker	Winston
Nichole	Paula	Raven	Rodolfo	Sandy	Shelbie	Stuart	Thaddeus	Turner	Wyatt
Nick	Paulina	Raven	Rodrigo	Santiago	Shelby	Summer	Thalia	Ty	Xavier
Nicklaus	Pauline	Ray	Rogelio	Santos	Shelby	Susan	Theodore	Tyler	Xena
Nickolas	Paxton	Raymond	Roger	Sara	Sheldon	Susana	Theresa	Tyler	Yadira
Nico	Payton	Raymundo	Rohan	Sarah	Sheridan	Susanna	Thomas	Tylor	Yasmeen
Nicolas	Payton	Reagan	Roland	Sarai	Shianne	Suzanne	Tia	Tyquan	Yasmin
Nicole	Pedro	Reagan	Rolando	Sarina	Shirley	Sydney	Tiana	Tyra	Yasmine
Nicolette	Perla	Rebeca	Roman	Sasha	Shyann	Sydney	Tianna	Tyree	Yazmin
Nigel	Perry	Rebecca	Romeo	Saul	Shyanne	Sydni	Tiara	Tyrell	Yesenia
Nikhil	Peter	Rebekah	Ronald	Savana	Sidney	Sydney	Tierra	Tyron	Yessenia
Nikita	Peyton	Reece	Ronaldo	Savannah	Sidney	Syed	Tiffani	Tyrone	Yolanda
Nikki	Peyton	Reed	Ronnie	Savanna	Sienna	Sylvia	Tiffany	Tyshawn	Yulisa
Niko	Phillip	Reese	Rory	Savannah	Sierra	Tabatha	Timothy	Tyson	Yulissa
Nikolas	Phillip	Regan	Rosa	Sawyer	Silas	Tabitha	Tina	Ulises	Yvette
Nina	Phoebe	Regina	Rose	Scarlett	Silvia	Talia	Titus	Ulysses	Yvonne
Noah	Phoenix	Reginald	Rosemary	Scott	Simeon	Talon	Tobias	Unique	Zachariah
Noe	Pierce	Reid	Ross	Seamus	Simon	Tamara	Toby	Uriah	Zachary
Noel	Pierre	Reilly	Roxanne	Sean	Simone	Tamera	Todd	Uriel	Zachery
Noel	Precious	Reilly	Roy	Sebastian	Skye	Tamia	Tomas	Valentin	Zackary
Noelle	Preston	Reina	Royce	Selena	Skylar	Tammy	Tommy	Valentina	Zackery
Noemi	Princess	Remington	Ruben	Selina	Skylar	Tania	Toni	Valeria	Zakary
Nolan	Priscilla	Rene	Ruby	Serena	Skyler	Tanisha	Tony	Valerie	Zane
Nora	Quentin	Renee	Rudy	Serenity	Skyler	Tanner	Tonya	Vance	Zaria
Norma	Quincy	Reuben	Russell	Sergio	Sofia	Tanya	Tori	Vanesa	Zechariah
Norman	Quinn	Rex	Ruth	Seth	Solomon	Tara	Trace	Vanessa	Zoe
Octavia	Quinn	Reyna	Ryan	Shaina	Sonia	Tarik	Tracy	Vaughn	Zoey

Shakira > Robert (!)

A	Octavio	Quinten	Reynaldo	Ryan
	Nadia	Odalis	Quintin	Rhett
	Nadine	Odalys	Quinton	Rhiannon
	Nancy	Oliver	Rachael	Ricardo
	Naomi	Olivia	Racheal	Richard
	Nash	Omar	Rachel	Rick
	Nasir	Omari	Rachelle	Rickey
	Natalia	Orion	Raegan	Ricky
	Natalie	Orlando	Raekwon	Rico
	Nataly	Oscar	Rafael	Rigoberto
	Natasha	Osvaldo	Raheem	Riley
	Nathalie	Owen	Ralph	Riley
	Nathan	Pablo	Ramiro	Rita
	Nathanael	Paige	Ramon	River
	Nathanial	Paloma	Ramsey	Robert
	Nathaniel	Pamela	Randall	Roberto
	Nautica	Paola	Randi	Robin
	Nayeli	Paris	Randy	Robin
	Neal	Paris	Raphael	Robyn
	Neil	Parker	Raquel	Rochelle
Nelson	Patience	Rashad	Rocio	
Nestor	Patricia	Rashawn	Rocky	
Nia	Patrick	Rasheed	Roderick	
Nicholas	Paul	Raul	Rodney	
Nichole	Paula	Raven	Rodolfo	
Nick	Paulina	Raven	Rodrigo	
Nicklaus	Pauline	Ray	Rogelio	
Nickolas	Paxton	Raymond	Roger	
Nico	Payton	Raymundo	Rohan	
Nicolas	Payton	Reagan	Roland	
Nicole	Pedro	Reagan	Rolando	
Nicolette	Perla	Rebeca	Roman	
Nigel	Perry	Rebecca	Romeo	
Nikhil	Peter	Rebekah	Ronald	
Nikita	Peyton	Reece	Ronaldo	
Nikki	Peyton	Reed	Ronnie	
Niko	Phillip	Reese	Rory	
Nikolas	Phillip	Regan	Rosa	
Nina	Phoebe	Regina	Rose	
Noah	Phoenix	Reginald	Rosemary	
Noe	Pierce	Reid	Ross	
Noel	Pierre	Reilly	Roxanne	
Noel	Precious	Reilly	Roy	
Noelle	Preston	Reina	Royce	
Noemi	Princess	Remington	Ruben	
Nolan	Priscilla	Rene	Ruby	
Nora	Quentin	Renee	Rudy	
Norma	Quincy	Reuben	Russell	
Norman	Quinn	Rex	Ruth	
Octavia	Quinn	Reyna	Ryan	

Octavio	Octavo	Quinten	Reynaldo	Ryan
Nadia	Odalis	Quintin	Rhett	Ryann
Nadine	Odalys	Quinton	Rhiannon	Ryder
Nancy	Oliver	Rachael	Ricardo	Rylan
Naomi	Olivia	Racheal	Richard	Rylee
Nash	Omar	Rachel	Rick	Ryley
Nasir	Omari	Rachelle	Rickey	Rylie
Natalia	Orion	Raegan	Ricky	Sabrina
Natalie	Orlando	Raekwon	Rico	Sade
Nataly	Oscar	Rafael	Rigoberto	Sadie
Natasha	Oswaldo	Raheem	Riley	Sage
Nathalie	Owen	Ralph	Riley	Sage
Nathan	Pablo	Ramiro	Rita	Sally
Nathanael	Paige	Ramon	River	Salma
Nathaniel	Paloma	Ramsay	Robert	Salvador
Nathaniel	Pamela	Randall	Roberto	Salvatore
Nautica	Paola	Randi	Robin	Sam
Nayeli	Paris	Randy	Robin	Samantha
Neal	Paris	Raphael	Robyn	Samara
Neil	Parker	Raquel	Rochelle	Samir
Nelson	Patience	Rashad	Rocio	Sammy
Nestor	Patricia	Rashawn	Rocky	Samson
Nia	Patrick	Rasheed	Roderick	Samuel
Nicholas	Paul	Raul	Rodney	Sandra
Nichole	Paula	Raven	Rodolfo	Sandy
Nick	Paulina	Raven	Rodrigo	Santiago
Nicklaus	Pauline	Ray	Rogelio	Santos
Nickolas	Paxton	Raymond	Roger	Sara
Nico	Payton	Raymundo	Rohan	Sarah
Nicolas	Payton	Reagan	Roland	Sarai
Nicole	Pedro	Reagan	Rolando	Sarina
Nicolette	Perla	Rebeca	Roman	Sasha
Nigel	Perry	Rebecca	Romeo	Saul
Nikhil	Peter	Rebekah	Ronald	Savana
Nikita	Peyton	Reece	Ronaldo	Savannah
Nikki	Peyton	Reed	Ronnie	Savanna
Niko	Phillip	Reese	Rory	Savannah
Nikolas	Phillip	Regan	Rosa	Sawyer
Nina	Phoebe	Regina	Rose	Scarlett
Noah	Phoenix	Reginald	Rosemary	Scott
Noe	Pierce	Reid	Ross	Seamus
Noel	Pierre	Reilly	Roxanne	Sean
Noel	Precious	Reilly	Roy	Sebastian
Noelle	Preston	Reina	Royce	Selena
Noemi	Princess	Remington	Ruben	Selina
Nolan	Priscilla	Rene	Ruby	Serena
Nora	Quentin	Renee	Rudy	Serenity
Norma	Quincy	Reuben	Russell	Sergio
Norman	Quinn	Rex	Ruth	Seth
Octavia	Quinn	Reyna	Ryan	Shaina

Raven

Octavio	Octavio	Quinten	Reynaldo	Ryan
Nadia	Odalis	Quintin	Rhett	Ryann
Nadine	Odalys	Quinton	Rhiannon	Ryder
Nancy	Oliver	Rachael	Ricardo	Rylan
Naomi	Olivia	Racheal	Richard	Rylee
Nash	Omar	Rachel	Rick	Ryley
Nasir	Omari	Rachelle	Rickey	Rylie
Natalia	Orion	Raegan	Ricky	Sabrina
Natalie	Orlando	Raekwon	Rico	Sade
Nataly	Oscar	Rafael	Rigoberto	Sadie
Natasha	Oswaldo	Raheem	Riley	Sage
Nathalie	Owen	Ralph	Riley	Sage
Nathan	Pablo	Ramiro	Rita	Sally
Nathanael	Paige	Ramon	River	Salma
Nathaniel	Paloma	Ramsey	Robert	Salvador
Nathaniel	Pamela	Randall	Roberto	Salvatore
Nautica	Paola	Randi	Robin	Sam
Nayeli	Paris	Randy	Robin	Samantha
Neal	Paris	Raphael	Robyn	Samara
Neil	Parker	Raquel	Rochelle	Samir
Nelson	Patience	Rashad	Rocio	Sammy
Nestor	Patricia	Rashawn	Rocky	Samson
Nia	Patrick	Rasheed	Roderick	Samuel
Nicholas	Paul	Raul	Rodney	Sandra
Nichole	Paula	Raven	Rodolfo	Sandy
Nick	Paulina	Raven	Rodrigo	Santiago
Nicklaus	Pauline	Ray	Rogelio	Santos
Nickolas	Paxton	Raymond	Roger	Sara
Nico	Payton	Raymundo	Rohan	Sarah
Nicolas	Payton	Reagan	Roland	Sarai
Nicole	Pedro	Reagan	Rolando	Sarina
Nicolette	Perla	Rebeca	Roman	Sasha
Nigel	Perry	Rebecca	Romeo	Saul
Nikhil	Peter	Rebekah	Ronald	Savana
Nikita	Peyton	Reece	Ronaldo	Savannah
Nikki	Peyton	Reed	Ronnie	Savanna
Niko	Phillip	Reese	Rory	Savannah
Nikolas	Phillip	Regan	Rosa	Sawyer
Nina	Phoebe	Regina	Rose	Scarlett
Noah	Phoenix	Reginald	Rosemary	Scott
Noe	Pierce	Reid	Ross	Seamus
Noel	Pierre	Reilly	Roxanne	Sean
Noel	Precious	Reilly	Roy	Sebastian
Noelle	Preston	Reina	Royce	Selena
Noemi	Princess	Remington	Ruben	Selina
Nolan	Priscilla	Rene	Ruby	Serena
Nora	Quentin	Renee	Rudy	Serenity
Norma	Quincy	Reuben	Russell	Sergio
Norman	Quinn	Rex	Ruth	Seth
Octavia	Quinn	Reyna	Ryan	Shaina

Raven
< Robert

	Reynaldo	Ryan
	Rhett	Ryann
	Rhiannon	Ryder
	Ricardo	Rylan
	Richard	Rylee
	Rick	Ryley
	Rickey	Rylle
	Ricky	Sabrina
	Rico	Sade
	Rigoberto	Sadie
	Riley	Sage
	Riley	Sage
	Rita	Sally
	River	Salma
	Robert	Salvador
	Roberto	Salvatore
	Robin	Sam
	Robin	Samantha
	Robyn	Samara
	Rochelle	Samir
	Rocio	Sammy
	Rocky	Samson
	Roderick	Samuel
	Rodney	Sandra
	Rodolfo	Sandy
	Rodrigo	Santiago
Ray	Rogelio	Santos
Raymond	Roger	Sara
Raymundo	Rohan	Sarah
Reagan	Roland	Sarai
Reagan	Rolando	Sarina
Rebeca	Roman	Sasha
Rebecca	Romeo	Saul
Rebekah	Ronald	Savana
Reece	Ronaldo	Savannah
Reed	Ronnie	Savanna
Reese	Rory	Savannah
Regan	Rosa	Sawyer
Regina	Rose	Scarlett
Reginald	Rosemary	Scott
Reid	Ross	Seamus
Reilly	Roxanne	Sean
Reilly	Roy	Sebastian
Reina	Royce	Selena
Remington	Ruben	Selina
Rene	Ruby	Serena
Renee	Rudy	Serenity
Reuben	Russell	Sergio
Rex	Ruth	Seth
Reyna	Ryan	Shaina

	Reynaldo	Rodrigo	Ryan	Santiago
Ray	Rhett	Rogelio	Ryann	Santos
Raymond	Rhiannon	Roger	Ryder	Sara
Raymundo	Ricardo	Rohan	Rylan	Sarah
Reagan	Richard	Roland	Rylee	Sarai
Reagan	Rick	Rolando	Ryley	Sarina
Rebeca	Rickey	Roman	Rylie	Sasha
Rebecca	Ricky	Romeo	Sabrina	Saul
Rebekah	Rico	Ronald	Sade	Savana
Reece	Rigoberto	Ronaldo	Sadie	Savanah
Reed	Riley	Ronnie	Sage	Savanna
Reese	Riley	Rory	Sage	Savannah
Regan	Rita	Rosa	Sally	Sawyer
Regina	River	Rose	Salma	Scarlett
Reginald	Robert	Rosemary	Salvador	Scott
Reid	Roberto	Ross	Salvatore	Seamus
Reilly	Robin	Roxanne	Sam	Sean
Reilly	Robin	Roy	Samantha	Sebastian
Reina	Robyn	Royce	Samara	Selena
Remington	Rochelle	Ruben	Samir	Selina
Rene	Rocio	Ruby	Sammy	Serena
Renee	Rocky	Rudy	Samson	Serenity
Reuben	Roderick	Russell	Samuel	Sergio
Rex	Rodney	Ruth	Sandra	Seth
Reyna	Rodolfo	Ryan	Sandy	Shaina

Rose

> Robert

	Reynaldo	Rodrigo	Ryan	Santiago
Ray	Rhett	Rogelio	Ryann	Santos
Raymond	Rhiannon	Roger	Ryder	Sara
Raymundo	Ricardo	Rohan	Rylan	Sarah
Reagan	Richard	Roland	Rylee	Sarai
Reagan	Rick	Rolando	Ryley	Sarina
Rebeca	Rickey	Roman	Rylie	Sasha
Rebecca	Ricky	Romeo	Sabrina	Saul
Rebekah	Rico	Ronald	Sade	Savana
Reece	Rigoberto	Ronaldo	Sadie	Savanah
Reed	Riley	Ronnie	Sage	Savanna
Reese	Riley	Rory	Sage	Savannah
Regan	Rita	Rosa	Sally	Sawyer
Regina	River	Rose	Salma	Scarlett
Reginald	Robert	Rosemary	Salvador	Scott
Reid	Roberto	Ross	Salvatore	Seamus
Reilly	Robin	Roxanne	Sam	Sean
Reilly	Robin	Roy	Samantha	Sebastian
Reina	Robyn	Royce	Samara	Selena
Remington	Rochelle	Ruben	Samir	Selina
Rene	Rocio	Ruby	Sammy	Serena
Renee	Rocky	Rudy	Samson	Serenity
Reuben	Roderick	Russell	Samuel	Sergio
Rex	Rodney	Ruth	Sandra	Seth
Reyna	Rodolfo	Ryan	Sandy	Shaina

	Reynaldo	Rodrigo
Ray	Rhett	Rogelio
Raymond	Rhiannon	Roger
Raymundo	Ricardo	Rohan
Reagan	Richard	Roland
Reagan	Rick	Rolando
Rebeca	Rickey	Roman
Rebecca	Ricky	Romeo
Rebekah	Rico	Ronald
Reece	Rigoberto	Ronaldo
Reed	Riley	Ronnie
Reese	Riley	Rory
Regan	Rita	Rosa
Regina	River	
Reginald	Robert	
Reid	Roberto	
Reilly	Robin	
Reilly	Robin	
Reina	Robyn	
Remington	Rochelle	
Rene	Rocio	
Renee	Rocky	
Reuben	Roderick	
Rex	Rodney	
Reyna	Rodolfo	

Ricky

< **Robert**

Rodrigo

Rogelio

Roger

Rohan

Roland

Rolando

Roman

Romeo

Rico

Ronald

Rigoberto

Ronaldo

Riley

Ronnie

Riley

Rory

Rita

Rosa

River

Robert

Roberto

Robin

Robin

Robyn

Rochelle

Rocio

Rocky

Roderick

Rodney

Rodolfo

Rodrigo

Rogelio

Roger

Rohan

Roland

Rolando

Roman

Romeo

Rico

Ronald

Rigoberto

Ronaldo

Riley

Ronnie

Riley

Rory

Rita

Rosa

River

Robert

Roberto

Robin

Robin

Robyn

Rochelle

Rocio

Rocky

Roderick

Rodney

Rodolfo

Rodney
> **Robert**

Rodrigo

Rogelio

Roger

Rohan

Roland

Rolando

Roman

Romeo

Ronald

Ronaldo

Ronnie

Rory

Rosa

Rico

Rigoberto

Riley

Riley

Rita

River

Robert

Roberto

Robin

Robin

Robyn

Rochelle

Rocio

Rocky

Roderick

Rodney

Rodolfo

Rico

Rigoberto

Riley

Riley

Rita

River

Robert

Roberto

Robin

Robin

Robyn

Rochelle

Rocio

Rocky

Roderick

Rigoberto

Riley

Riley

Rita

River

Robert

Roberto

Robin

Robin

Robyn

Rochelle

Rocio

Rocky

Roderick

Rodney

Roberto
> **Robert**

Rigoberto

Riley

Riley

Rita

River

Robert

Roberto

Robin

Robin

Robyn

Rochelle

Rocio

Rocky

Roderick

Rodney

Rigoberto

Riley

Riley

Rita

River

Robert

Rigoberto

Riley

Riley

Rita

River

Robert

Riley

< Robert

Rita

River

Robert

River

< Robert

Rita

River

Robert

Robert

Robert
= Robert

Robert

Iteration	Current Subject	Smaller / Larger?	Resulting Lower Bound	Resulting Upper Bound	Range Length	Half Length
0	none	n/a	1	2000	1999	1000
1	1001	s	1002	2000	998	499
2	1501	s	1502	2000	498	249
3	1751	l	1502	1750	248	124
4	1626	s	1627	1750	123	62
5	1689	l	1627	1688	61	31
6	1658	s	1659	1688	29	15
7	1674	l	1659	1673	14	7
8	1666	l	1659	1665	6	3
9	1662	s	1663	1665	2	1
10	1664	s	1665	1665	0	0
11	1665					

Jessika
Myron
Shakira
Raven
Rose
Ricky
Rodney
Roberto
Riley
River
Robert

Iteration	Current Subject	Smaller / Larger?	Resulting Lower Bound	Resulting Upper Bound	Range Length	Half Length
0	none	n/a	1	2000	1999	1000
1	1001	s	1002	2000	998	499
2	1501	s	1502	2000	498	249
3	1751	l	1502	1750	248	124
4	1626	s	1627	1750	123	62
5	1689	l	1627	1688	61	31
6	1658	s	1659	1688	29	15
7	1674	l	1659	1673	14	7
8	1666	l	1659	1665	6	3
9	1662	s	1663	1665	2	1
10	1664	s	1665	1665	0	0
11	1665					

*So what would happen
if we searched unsorted data?*

VLOOKUP is great...

VLOOKUP is great...

...but sometimes we need more

Who was the first to submit?

Who was the first to submit?

	A
1	Morgan
2	James
3	Honor
4	Tatiana
5	Ying
6	Mark
7	Heng
8	Kyle
9	Anwen
10	Huiyuan
11	Laith
12	Stephanie
13	Sydney
14	Avery

Who was the first to submit?

	A
1	Morgan
2	James
3	Honor
4	Tatiana
5	Ying
6	Mark
7	Heng
8	Kyle
9	Anwen
10	Huiyuan
11	Laith
12	Stephanie
13	Sydney
14	Avery

=A1

Who was the first to submit?

	A
1	Morgan
2	James
3	Honor
4	Tatiana
5	Ying
6	Mark
7	Heng
8	Kyle
9	Anwen
10	Huiyuan
11	Laith
12	Stephanie
13	Sydney
14	Avery

Who was the first to submit?

	A
1	Morgan
2	James
3	Honor
4	Tatiana
5	Ying
6	Mark
7	Heng
8	Kyle
9	Anwen
10	Huiyuan
11	Laith
12	Stephanie
13	Sydney
14	Avery

=INDEX(A:A,1)

Who was the first to submit?

	A
1	Morgan
2	James
3	Honor
4	Tatiana
5	Ying
6	Mark
7	Heng
8	Kyle
9	Anwen
10	Huiyuan
11	Laith
12	Stephanie
13	Sydney
14	Avery

=INDEX(A:A,1)

Who was the first to submit?

	A
1	Morgan
2	James
3	Honor
4	Tatiana
5	Ying
6	Mark
7	Heng
8	Kyle
9	Anwen
10	Huiyuan
11	Laith
12	Stephanie
13	Sydney
14	Avery

=INDEX(A:A,1)

students

Who was the first to submit?

	A
1	Morgan
2	James
3	Honor
4	Tatiana
5	Ying
6	Mark
7	Heng
8	Kyle
9	Anwen
10	Huiyuan
11	Laith
12	Stephanie
13	Sydney
14	Avery

=INDEX(students,1)

Who was the sixth to submit?

	T
883	
884	
885	
886	Morgan
887	James
888	Honor
889	Tatiana
890	Ying
891	Mark
892	Heng
893	Kyle
894	Anwen
895	Huiyuan
896	Laith
897	Stephanie
898	Sydney
899	Avery

=INDEX(students,6)

Which position is Kyle in?

	T
883	
884	
885	
886	Morgan
887	James
888	Honor
889	Tatiana
890	Ying
891	Mark
892	Heng
893	Kyle
894	Anwen
895	Huiyuan
896	Laith
897	Stephanie
898	Sydney
899	Avery

Which position is Kyle in?

	T
883	
884	
885	
886	Morgan
887	James
888	Honor
889	Tatiana
890	Ying
891	Mark
892	Heng
893	Kyle
894	Anwen
895	Huiyuan
896	Laith
897	Stephanie
898	Sydney
899	Avery

VLOOKUP?

Which position is Kyle in?

	T
883	
884	
885	
886	Morgan
887	James
888	Honor
889	Tatiana
890	Ying
891	Mark
892	Heng
893	Kyle
894	Anwen
895	Huiyuan
896	Laith
897	Stephanie
898	Sydney
899	Avery

=MATCH("Kyle",T:T,0)

Which position is Kyle in?

	T
883	
884	
885	
886	Morgan
887	James
888	Honor
889	Tatiana
890	Ying
891	Mark
892	Heng
893	Kyle
894	Anwen
895	Huiyuan
896	Laith
897	Stephanie
898	Sydney
899	Avery

=MATCH("Kyle",T:T,0)

Which position is Kyle in?

	T
883	
884	
885	
886	Morgan
887	James
888	Honor
889	Tatiana
890	Ying
891	Mark
892	Heng
893	Kyle
894	Anwen
895	Huiyuan
896	Laith
897	Stephanie
898	Sydney
899	Avery

=MATCH("Kyle",T:T,0)

- exact match

Which position is Kyle in?

	T
883	
884	
885	
886	Morgan
887	James
888	Honor
889	Tatiana
890	Ying
891	Mark
892	Heng
893	Kyle
894	Anwen
895	Huiyuan
896	Laith
897	Stephanie
898	Sydney
899	Avery

=MATCH("Kyle",T:T,0)

- exact match
- linear search

Which position is Bob in?

	T
883	
884	
885	
886	Morgan
887	James
888	Honor
889	Tatiana
890	Ying
891	Mark
892	Heng
893	Kyle
894	Anwen
895	Huiyuan
896	Laith
897	Stephanie
898	Sydney
899	Avery

=MATCH("Bob",T:T,0)

#N/A

Which position is Ying in?

	T
883	
884	
885	
886	Morgan
887	James
888	Honor
889	Tatiana
890	Ying
891	Mark
892	Heng
893	Kyle
894	Anwen
895	Huiyuan
896	Laith
897	Stephanie
898	Sydney
899	Avery

=MATCH("Ying",T:T,1)

- greater than or equal

- must be sorted (asc)

Which position is Ying in?

	T
883	
884	
885	
886	Anwen
887	Avery
888	Heng
889	Honor
890	Huiyuan
891	James
892	Kyle
893	Laith
894	Mark
895	Morgan
896	Stephanie
897	Sydney
898	Tatiana
899	Ying

=MATCH("Ying",T:T,1)

899

Which position was Bob in?

	T
883	
884	
885	
886	Anwen
887	Avery
888	Heng
889	Honor
890	Huiyuan
891	James
892	Kyle
893	Laith
894	Mark
895	Morgan
896	Stephanie
897	Sydney
898	Tatiana
899	Ying

=MATCH("Bob",T:T,1)

887

Which position is Tatiana in?

	T
883	
884	
885	
886	Morgan
887	James
888	Honor
889	Tatiana
890	Ying
891	Mark
892	Heng
893	Kyle
894	Anwen
895	Huiyuan
896	Laith
897	Stephanie
898	Sydney
899	Avery

=MATCH("Tatiana",T:T,-1)

*- lesser than or equal
- must be sorted (desc)*

Which position is Tatiana in?

	T
883	
884	
885	
886	Ying
887	Tatiana
888	Sydney
889	Stephanie
890	Morgan
891	Mark
892	Laith
893	Kyle
894	James
895	Huiyuan
896	Honor
897	Heng
898	Avery
899	Anwen

=MATCH("Tatiana",T:T,-1)

*- lesser than or equal
- must be sorted (desc)*

Which position is Tatiana in?

	T
883	
884	
885	
886	Ying
887	Tatiana
888	Sydney
889	Stephanie
890	Morgan
891	Mark
892	Laith
893	Kyle
894	James
895	Huiyuan
896	Honor
897	Heng
898	Avery
899	Anwen

=MATCH("Tatiana",T:T,-1)

887

Which position was Bob in?

	T
883	
884	
885	
886	Ying
887	Tatiana
888	Sydney
889	Stephanie
890	Morgan
891	Mark
892	Laith
893	Kyle
894	James
895	Huiyuan
896	Honor
897	Heng
898	Avery
899	Anwen

=MATCH("Bob",T:T,-1)

Which position was Bob in?

	T
883	
884	
885	
886	Ying
887	Tatiana
888	Sydney
889	Stephanie
890	Morgan
891	Mark
892	Laith
893	Kyle
894	James
895	Huiyuan
896	Honor
897	Heng
898	Avery
899	Anwen

=MATCH("Bob",T:T,-1)

897

Back to the Beginning



The Mountains are Back...

	A	C	D	E
1				
4		Abba Yared	4,416	14,488
5		Abi Gamin	7,355	24,131
6		Aconcagua	6,962	22,841
7		Acotango	6,050	19,849
8		Aletschhorn	4,195	13,763
9		Alpamayo	5,947	19,511
10		Alum Kuh	4,840	15,879
11		Ama Dablam	6,856	22,493
12		Ampato	6,360	20,866
13		Ancohumana	6,427	21,086

Use INDEX and MATCH to find the height of Alpamayo

	A	C	D	E
1				
4	Abba Yared		4,416	14,488
5	Abi Gamin		7,355	24,131
6	Aconcagua		6,962	22,841
7	Acotango		6,050	19,849
8	Aletschhorn		4,195	13,763
9	Alpamayo		5,947	19,511
10	Alum Kuh		4,840	15,879
11	Ama Dablam		6,856	22,493
12	Ampato		6,360	20,866
13	Ancohumana		6,427	21,086

Step 1:

	A	C	D	E
1				
4		Abba Yared	4,416	14,488
5		Abi Gamin	7,355	24,131
6		Aconcagua	6,962	22,841
7		Acotango	6,050	19,849
8		Aletschhorn	4,195	13,763
9		Alpamayo	5,947	19,511
10		Alum Kuh	4,840	15,879
11		Ama Dablam	6,856	22,493
12		Ampato	6,360	20,866
13		Ancohumana	6,427	21,086


Step 1:

=MATCH("Alpamayo",C:C,0)

	A	C	D	E
1				
4		Abba Yared	4,416	14,488
5		Abi Gamin	7,355	24,131
6		Aconcagua	6,962	22,841
7		Acotango	6,050	19,849
8		Aletschhorn	4,195	13,763
9		Alpamayo	5,947	19,511
10		Alum Kuh	4,840	15,879
11		Ama Dablam	6,856	22,493
12		Ampato	6,360	20,866
13		Ancohumana	6,427	21,086

Step 1:

=MATCH("Alpamayo",C:C,0)




	A	C	D	E
1				
4	Abba Yared		4,416	14,488
5	Abi Gamin		7,355	24,131
6	Aconcagua		6,962	22,841
7	Acotango		6,050	19,849
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9	Alpamayo		5,947	19,511
10	Alum Kuh		4,840	15,879
11	Ama Dablam		6,856	22,493
12	Ampato		6,360	20,866
13	Ancohumana		6,427	21,086

Step 1:

`=MATCH("Alpamayo",C:C,0)`

9



	A	C	D	E
1				
4		Abba Yared	4,416	14,488
5		Abi Gamin	7,355	24,131
6		Aconcagua	6,962	22,841
7		Acotango	6,050	19,849
8		Aletschhorn	4,195	13,763
9		Alpamayo	5,947	19,511
10		Alum Kuh	4,840	15,879
11		Ama Dablam	6,856	22,493
12		Ampato	6,360	20,866
13		Ancohumana	6,427	21,086

Step 2:

	A	C	D	E
1				
4		Abba Yared	4,416	14,488
5		Abi Gamin	7,355	24,131
6		Aconcagua	6,962	22,841
7		Acotango	6,050	19,849
8		Aletschhorn	4,195	13,763
9		Alpamayo	5,947	19,511
10		Alum Kuh	4,840	15,879
11		Ama Dablam	6,856	22,493
12		Ampato	6,360	20,866
13		Ancohumana	6,427	21,086

Step 2:

=INDEX(D:D,9)

	A	C	D	E
1				
4	Abba Yared		4,416	14,488
5	Abi Gamin		7,355	24,131
6	Aconcagua		6,962	22,841
7	Acotango		6,050	19,849
8	Aletschhorn		4,195	13,763
9	Alpamayo		5,947	19,511
10	Alum Kuh		4,840	15,879
11	Ama Dablam		6,856	22,493
12	Ampato		6,360	20,866
13	Ancohumana		6,427	21,086

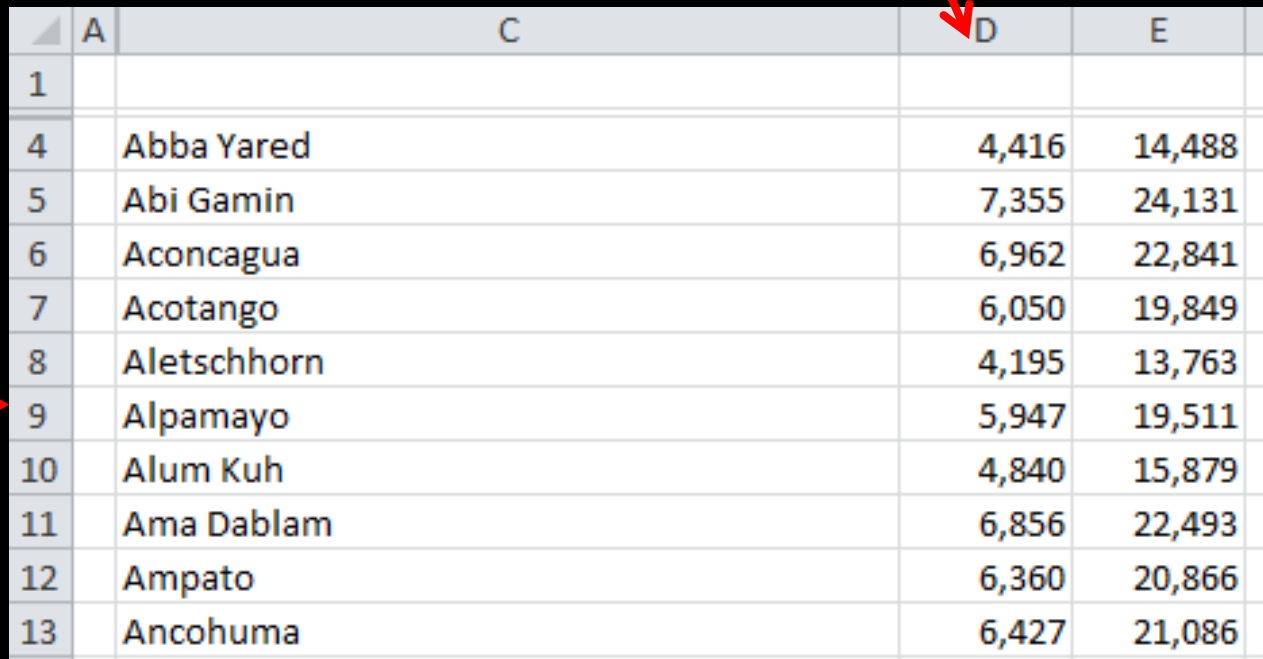
Step 2:

=INDEX(D:D,9)

	A	C	D	E
1				
4	Abba Yared		4,416	14,488
5	Abi Gamin		7,355	24,131
6	Aconcagua		6,962	22,841
7	Acotango		6,050	19,849
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9	Alpamayo		5,947	19,511
10	Alum Kuh		4,840	15,879
11	Ama Dablam		6,856	22,493
12	Ampato		6,360	20,866
13	Ancohumana		6,427	21,086

Step 2:

=INDEX(D:D,9)

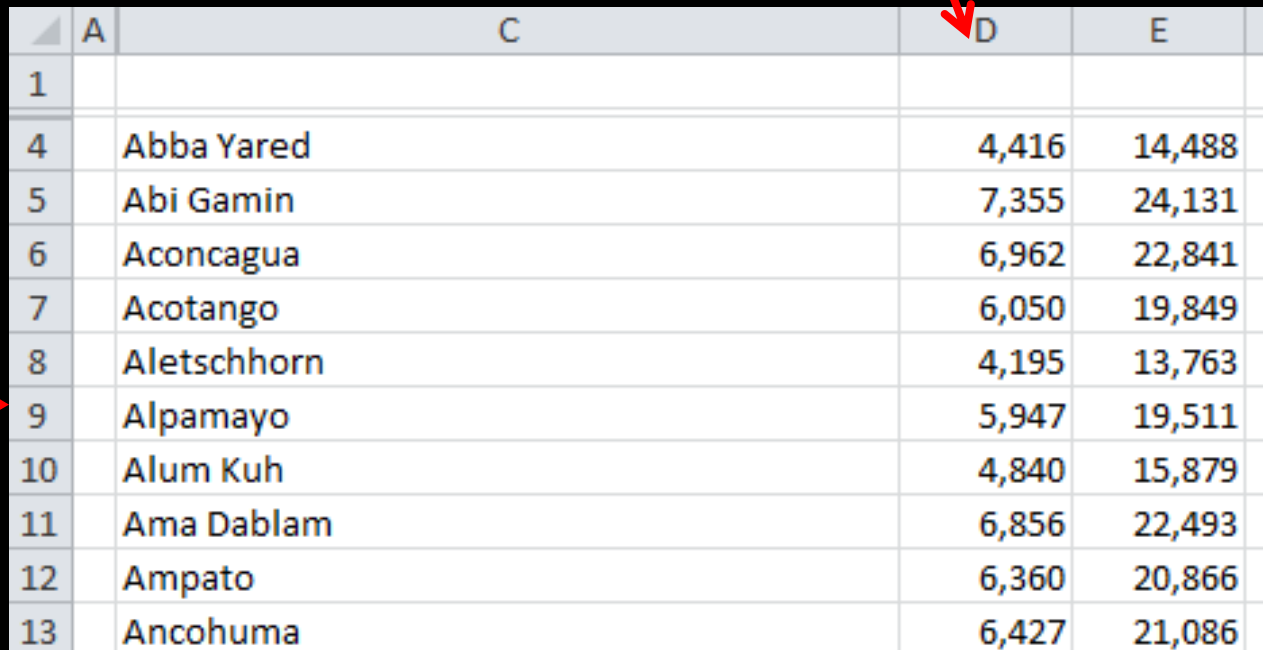


	A	C	D	E
1				
4	Abba Yared		4,416	14,488
5	Abi Gamin		7,355	24,131
6	Aconcagua		6,962	22,841
7	Acotango		6,050	19,849
8	Aletschhorn		4,195	13,763
9	Alpamayo		5,947	19,511
10	Alum Kuh		4,840	15,879
11	Ama Dablam		6,856	22,493
12	Ampato		6,360	20,866
13	Ancohumana		6,427	21,086

Step 2:

=INDEX(D:D,9)

5947



	A	C	D	E
1				
4		Abba Yared	4,416	14,488
5		Abi Gamin	7,355	24,131
6		Aconcagua	6,962	22,841
7		Acotango	6,050	19,849
8		Aletschhorn	4,195	13,763
9		Alpamayo	5,947	19,511
10		Alum Kuh	4,840	15,879
11		Ama Dablam	6,856	22,493
12		Ampato	6,360	20,866
13		Ancohumana	6,427	21,086

Step 3:

Step 3:

=MATCH("Alpamayo",C:C,0)

=INDEX(D:D,9)

Step 3:

=MATCH("Alpamayo",C:C,0)

9

=INDEX(D:D,9)

Step 3:

=MATCH("Alpamayo",C:C,0)

9

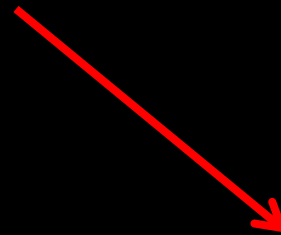
=INDEX(D:D,9)



Step 3:

=MATCH("Alpamayo",C:C,0)

9



=INDEX(D:D,9)

5947

Step 3:

=MATCH("Alpamayo",C:C,0)

=INDEX(D:D,9)

5947

Step 3:

=INDEX(D:D,MATCH("Alpamayo",C:C,0))

5947

Whew!

That was a lot of stuff!



But before you go.....

One More Question

Today's Lecture Was

- a) Amazing
- b) Nice
- c) Like Any Other
- d) Not So Great
- e) Horrible!