

CS 105

Part Two

What Will We Do Today?

Meet Martin

The Orange Furball

What Does The Fox Say?

The Annoying Equal Sign

Our Very First Formula



Meet Martin



Martin D. Hellwig != Martin F. Hellwig

Both are amazing (and German),
but I'm the one on the left



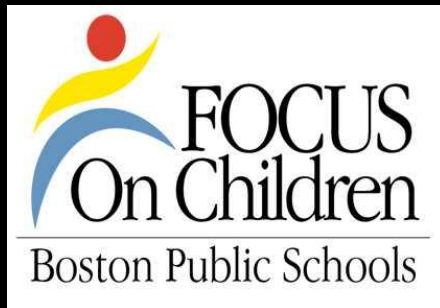
← ESTONIAN AIR



Google









The Orange Furball

The Orange Furball



The Orange Furball



Joey

What Does the Fox Say?

What Does the Fox Say?

Bark?

Meow?

Hoot?

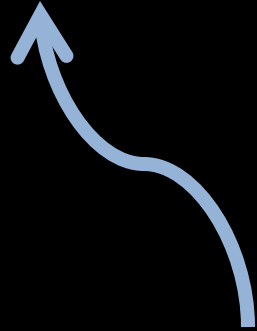
Or are foxes mute?

What Does the Fox Say?

[Fox.mp4](#)

What Does the Fox Say?

Fox.mp4



What's That?

Why File Extensions Matter

ZIP	DOCX	JPG	SB2
EXE	XLSX	MP3	HTML
JS	PDF	AVI	CSS
CPP	TXT	MP4	PNG

The Annoying =

The Annoying =

=, ==, ===, what gives?

The Annoying =

In JavaScript:

The Annoying =

In JavaScript:

= assigns values

== compares values

=== compares types

The Annoying =

In JavaScript:

```
var mynumber = 5
```

```
if (mynumber == 5) { } //true
```

```
if (mynumber === "5"){ } //false
```

The Annoying =

In Excel, however:

= assigns

= compares

The Annoying =

In Excel, however:

= assigns (typically to a cell)

= compares

The Annoying =

In Excel, however:

=sum(2,5)

=if(5=2,"yes","no")

The Annoying =

In Excel, however:

=sum(2,5)	7
=if(5=2,"yes","no")	no

Our Very First Formula

How much did you spend today?

Our Very First Formula

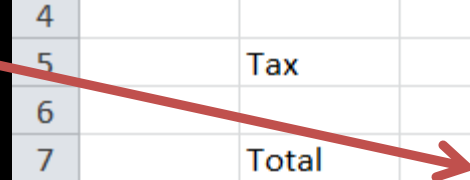
How much did you spend today?

	A	B	C
1			Price
2		Coffee	4.25
3		Bagel	3.97
4			
5		Tax	0.82
6			
7		Total	

Our Very First Formula

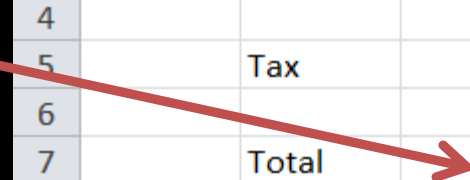
How much did you spend today?

	A	B	C
1			Price
2		Coffee	4.25
3		Bagel	3.97
4			
5		Tax	0.82
6			
7		Total	



Our Very First Formula

How much did you spend today?



	A	B	C
1			Price
2		Coffee	4.25
3		Bagel	3.97
4			
5		Tax	0.82
6			
7		Total	

`=sum(C2:C5)`

Our Very First Formula

How much did you spend today?

	A	B	C
1			Price
2		Coffee	4.25
3		Bagel	3.97
4			
5		Tax	0.82
6			
7		Total	

What's That?

`=sum(C2:C5)`

Our Very First Formula

How much did you spend today?

	A	B	C
1			Price
2		Coffee	4.25
3		Bagel	3.97
4			
5		Tax	0.82
6			
7		Total	

What's That?

`=sum(C2:C5)`

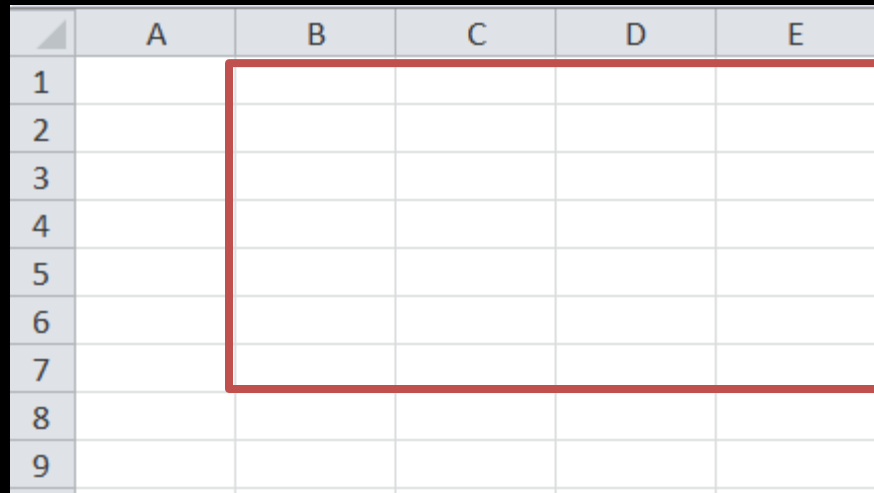
Another Range

B1:E7

	A	B	C	D	E
1					
2					
3					
4					
5					
6					
7					
8					
9					

Another Range

B1:E7



An Excel spreadsheet with columns A through E and rows 1 through 9. A red-bordered rectangle highlights the range from cell B1 to cell E7, covering 6 rows and 4 columns.

	A	B	C	D	E
1					
2					
3					
4					
5					
6					
7					
8					
9					

=sum(B1:B7)