CS 105

Week 2

Office Hours

Weekly Reading #2

MP0

Grades

Lab

```
function sumCookieTypes(
  cookie1, cookie2, cookie3, cookie4
)
{
  return cookie1 +
         cookie2 +
         cookie3 +
         cookie4;
}
```

```
function sumCookieTypes(
  cookie1, cookie2, cookie3, cookie4
)
{
  var sum = cookie1 + cookie2 +
            cookie3 + cookie4;

  return sum;
}
```

```
function uniqueCookieTypes(
  cookie1, cookie2, cookie3, cookie4
)
{
  var unique = 0;
  if (cookie1 > 0)
  {
    unique = unique + 1;
  }
  if (cookie2 > 0)
  {
     unique = unique + 1;
  }
```

```
  if (cookie3 > 0)
  {
    unique = unique + 1;
  }
  if (cookie4 > 0)
  {
     unique = unique + 1;
  }

  return unique;
}
```

```
function totalPrice(
  cookie1, cookie2, cookie3, cookie4
)
{
  var total = 0;
  total = total + (4   * cookie1);
  total = total + (3.5 * cookie2);
  total = total + (3.5 * cookie3);
  total = total + (3.5 * cookie4);
  return total;
}
```

```
function totalPrice(
  cookie1, cookie2, cookie3, cookie4
)
{
  return (4   * cookie1) +
         (3.5 * cookie2) +
         (3.5 * cookie3) +
         (3.5 * cookie4);
}
```

Base 10 : “Decimal”

142

100s	10s	1s
1	4	2

10^2	10^1	10^0
1	4	2

10^2	10^1	10^0
100	10	1
1	4	2

10^2	10^1	10^0
100	10	1
*	*	*
1	4	2

10^2	10^1	10^0
100	10	1
*	*	*
1	4	2
=100		

10^2	10^1	10^0
100	10	1
*	*	*
1	4	2
=100	=40	

10^2	10^1	10^0
100	10	1
*	*	*
1	4	2
=100	=40	=2

10^2	10^1	10^0
100	10	1
*	*	*
1	4	2
=100 +	=40 +	=2

=142

Base 2: “Binary”

101

2^2	2^1	2^0
1	0	1

2^2	2^1	2^0
4	2	1
1	0	1

2^2	2^1	2^0
4	2	1
*	*	*
1	0	1

2^2	2^1	2^0
4	2	1
*	*	*
1	0	1

2^2	2^1	2^0
4	2	1
*	*	*
1	0	1
=4		

2^2	2^1	2^0
4	2	1
*	*	*
1	0	1
=4	=0	

2^2	2^1	2^0
4	2	1
*	*	*
1	0	1
=4	=0	=1

2^2	2^1	2^0
4	2	1
*	*	*
1	0	1
=4 +	=0 +	=1
		=5

ASCII

65: A	74: J	83: S
66: B	75: K	84: T
67: C	76: L	85: U
68: D	77: M	86: V
69: E	78: N	87: W
70: F	79: O	88: X
71: G	80: P	89: Y
72: H	81: Q	90: Z
73: I	82: R	