



COMP 150: Basics of Computer Organization

Week 02, Lab 02



Binary!

(don't panic.)

Binary

- What is it?
- Why do we need it?
- What allows the fundamental zero-or-one unit in a computer?

Board Exercises

Decimal	Binary
00	0000
01	0001
02	0010
03	0011
04	0100
05	0101
06	0110
07	0111

Decimal	Binary
08	1000
09	1001
10	1010
11	1011
12	1100
13	1101
14	1110
15	1111

Code

We can make Python show us the binary representation of our numbers

```
num = 4  
  
print(num)  
  
print("{}".format(num))  
  
print("{:b}".format(num))
```