



Lecture Review Questions

1. What is the value written in decimal of the 8-bit binary numbers 0000 and 1101?

$$(0000\ 1101)_2 = 2^3 + 2^2 + 2^0 = 8+4+1 = 13$$

2. What is 33 as an 8-bit binary number?

$$33 = 32+1 = 2^5 + 2^0 = (00100001)_2$$

3. `printf("___ __", 70, 70);` Fill in the blanks to make this print F 70

`printf("%c %d", 70, 70);`

- `%c` prints the ASCII character that has a denary value of 70, which corresponds to "F".
- `%d` prints the integer value directly in decimal.