

Homework Assignment #11

Due date: I lam, Tuesday, February 28th 2012



Question #I (50 points)

Inside our C program we have the following lines of code:

```
#define Bit_Zero 0x01
#define Bit_One 0x02
#define Bit_Two 0x04
#define Bit_Three 0x08
#define Bit_Four 0x10
#define Bit_Five 0x20
#define Bit_Six 0x40
```

Assuming an integer has 32 bits, what will be the contents of the following variables?

```
int x = 0x0B;
int y = 011;
int z = x << 2;
int z1 = y & Bit_Three;
int z2 = z | Bit_Four;</pre>
```

Question #2 (50 points)

Give the binary value of the least significant 8 bits of the following values: