

Name: \_\_\_\_\_ Number: \_\_\_\_\_

“There are only 10 types of people in the world...  
those who understand binary, and those who don't.”

### Questions

1. What is the output of the code below:

```
int a = 0x21;  
int b = 0x11;  
  
printf("%d\n", a-b);  
printf("%d\n", a + b);  
printf("%d\n", a / b);  
printf("%d\n", a * b);
```

**Solution:** 16

50

1

561

2. Write down the results of the following operations:

12&32

12&&32

12 > 32

12 == 32

**Solution:** 12&32 = 0

12&&32 : *TRUE*

12 > 32 : *FALSE*

12 == 32 : *FALSE*

3. How many steps this loops will run?

```
int i = 5;
int j = 0;

while (i < 10)
{
    i += 2;
}

for (j=0; i > 0; j++ )

for (i=0; i < 10; i++)
```

***Solution:*** 3, infinite, 10