

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*

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