

# Angel Maria S

## IT Engineer

To work in a challenging and dynamic environment and to keep adding value to the organization that I represent and serve, while also concurrently upgrading my skills and knowledge

angel3008mary@gmail.com  
9961944064  
Pala, India

### Assignment2

#### ❖ BITWISE NOT(!) OR COMPLEMENT (~)

It is denoted by ~.

Its returns ones complement of input value i.e., with all bits inverted, which means it makes every 0 to 1 and 1 to 0.

It's a unary operator.

E.g. ~5

A= 5 = 0101

~5

~0101 = 1010

Java program:

```
class bitwiseCom{  
    public static void main(String[] args){  
        int a=2;  
        //~0010= 1101 =-3  
        System.out.println(~a);  
    }  
}
```

### ❖ What is BigInteger?

It is a class library that built to handle calculations which involves very large integer calculations that are outside the limit of all available primitive data types.

JavaBigInteger class can perform all the functionalities such as addition, subtraction, product, division, and finding GCD of two no.s.

Like the normal integer data type, we can declare the variables of BigInteger data type in same way.

```
int a, b;
```

```
BigInteger A, B;
```