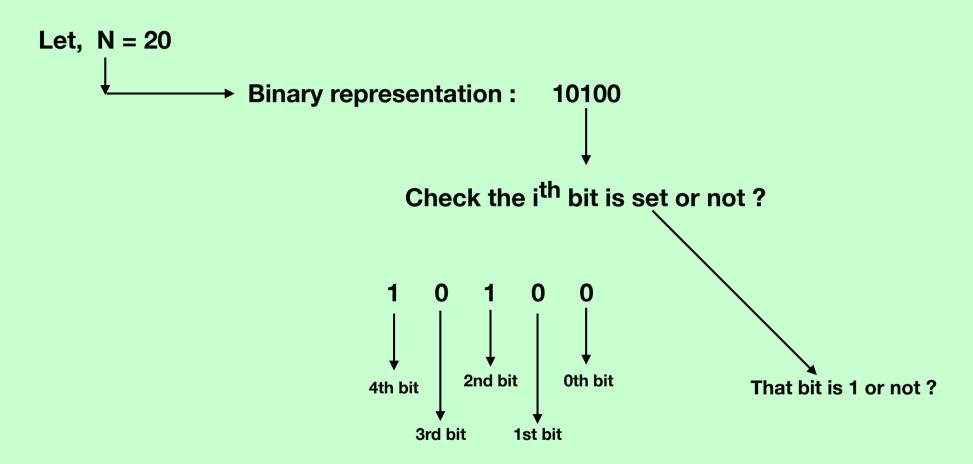# Algorithms on Bitwise Operator

By Prince Agarwal
[" Hello World "]

Check if the ith bit is set in the binary form of the given number.

Let, N = 20

Binary representation : 10100

Check the ith bit is set or not ?

1 0 1 0 0

4th bit

3rd bit

2nd bit

1st bit

0th bit

That bit is 1 or not ?

Code :

```
If ( n & ( 1<< i ) == True)
{
    Cout << " Yes , Bit is set " <<endl;
}
```

Let, N = 20

⟶ **Binary representation :   10100**

Check the 2nd bit is set or not ?

```
If ( n & ( 1<< 2 ) == True)
{
    Cout << " Yes , Bit is set " <<endl;
}
```

20

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Hello World

" If you feel any problem then comments in my video
I will reply as soon as possible "

- Prince Agarwal