https://course.acciojob.com/idle?question=9fb17bdd-a5e6-476b-873f-0d456d8c8c78

- EASY
- Max Score: 30 Points
-

Find first set bit

Given an integer an N. The task is to return the position of first set bit found from the right side in the binary representation of the number.

Note

If there is no set bit in the integer N, then return 0 from the function.

Input Format

The first line of input contains the number N.

Output Format

Return the postion of the first set bit from left in the binary representation of the number N.

Example 1

Input

```
18
```

Output

```
2
```

Explanation

Binary representation of 18 is 010010,the first set bit from the right side is at position 2.

Example 2

Input

```
12
```

Output

```
3
```

Explanation

Binary representation of 12 is 1100, the first set bit from the right side is at position 3.

Constraints

0 <= N <= 10^8, the number will fit in a 32-bit integer

Topic Tags

- **Bit Manipulation**

My code

```
// in java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
	public static void main (String[] args) throws java.lang.Exception
```

```
        {
                //your code here
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        int c=0;
        while(n>0)
          { c++;
            int r=n%2;
            if(r==1){ System.out.print(c); return;}
           n=n/2;
          }
         System.out.print("0");
          }
}
```