https://course.acciojob.com/idle?question=6ac9d018-bba6-4b66-84cf-ad90c169214f

- EASY
- Max Score: 30 Points
-

Longest Consecutive Ones

Given a number `N`. Find the length of the longest consecutive `1s` in its binary representation.

Input Format

First line contains an integer `N`.

Output Format

Print the length of the longest consecutive `1s` in its binary representation.

Example 1

Input

```
14
```

Output

```
3
```

Explanation

The binary representation of 14 is 1110, in which 111 is the longest consecutive set of bits of length is 3.

Example 2

Input

```
222
```

Output

```
4
```

Explanation

The binary representation of 222 is 11011110, in which 1111 is the longest consecutive set of bits of length 4.

Constraints

1 <= N <= 10^6

Topic Tags

- **Math**
- **Loops**

My code

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

class Solution
{
    public static int solve(int n)
    {
        // Write your code here
```

```
            int ans=0;
            int c=0;
        while(n>0)
                    {
                        if(n%2==1)
                        {
                            c++;
                            if(c>ans)
                                ans=c;
                        }
                         else c=0;
                         n=n/2;
                    }
            return ans;
    }
}
public class Main {
    public static void main(String args[]) {
        Scanner input = new Scanner(System.in);
        int n = input.nextInt();
        System.out.println(Solution.solve(n));
    }
}
```