https://course.acciojob.com/idle?question=f7db40b7-08b5-4bed-8e60-ddde3214b863

- EASY
- Max Score: 30 Points

Binary Confusion

In the event of confusion, Ram and his friends were asked to solve an easy problem given by their teacher. However, even after taking several hours, they could not solve the problem.

A value of decimal number `N` is given to them, and they are asked to convert it into its binary equivalent and return it as the answer. Since they are stuck for a while, they ask you to solve the problem. Can you help to solve this problem?

Input Format

The first line of input contains a single integer `N`, given to Ram and his friends.

You need to complete `binaryPuzzle` function which contains integer input `n` and print/return binary equivalent of `n`

Output Format

Print the binary equivalent of the given number.

Example 1

Input

```
10
```

Output

```
1010
```

Explanation

The value of ‘N’ is 10, so:

1. Remainder when ten is divided by 2 is zero.
2. Divide ten by 2. New number is 10/2 = 5.
3. Remainder when five is divided by 2 is 1
4. Divide five by 2. New number is 5/2 = 2.
5. Remainder when two is divided by 2 is zero.
6. Divide two by 2. New number is 2/2 = 1.
7. Remainder when one is divided by two is 1.
8. Divide 1 by 2. New number is 1/2 = 0.

Since the number becomes = 0, break out of the loop. So the final answer is the reverse of all the remainders obtained which is 1010.

Example 2

Input

```
7
```

Output

```
111
```

Explanation

N is 7, and we apply similar steps as given above.

The final answer comes out to be 111.

Constraints

```
0 <= N <= 10 ^ 6
```

Topic Tags

- Math

My code

```
// n 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
	  //your code here
	Scanner s=new Scanner(System.in);
	int n=s.nextInt();
	String bi="";
	//long c=1;
	while(n>0)
	  {
	    int r=n%2;
	      n=n/2;
	   // r=r*c;
	    bi=Integer.toString(r)+bi;
	   // c=c*10;
	  }
	System.out.println(bi);
	  }
```

```
}
```