

1. Write a C program to count total number of digits of an Integer number (N).

Sample Test Cases

Test Case 1

Input

3456

Output

The number 3456 contains 4 digits.

Test Case 2

Input

30000

Output

The number 30000 contains 5 digits.

Test Case 3

Input

57

Output

The number 57 contains 2 digits.

Test Case 4

Input

909

Output

The number 909 contains 3 digits.

**For example:**

Input	Result
3456	The number 3456 contains 4 digits.

30000	The number 30000 contains 5 digits.
57	The number 57 contains 2 digits.
909	The number 909 contains 3 digits.

**Answer:**(penalty regime: 0 %)

The screenshot shows a web browser window displaying a coding attempt review page. The page title is "Coding: Attempt review | REC-CIS". The URL is "rajalakshmicolleges.org/moodle/mod/quiz/review.php". The page content includes a code editor with the following C code:

```
#include <stdio.h>
int main()
{
    int i, n;
    scanf("%d", &n);
    int original_n = n;
    for (i = 0; n > 0; i++)
    {
        n = n / 10;
    }
    if (original_n == 0)
        i = 1;
    printf("The number %d contains %d digits.", original_n, i);
}
```

Below the code editor, there is a table showing the test cases and the results of the program's execution. The table has four columns: Input, Expected, Got, and a status column. The test cases are as follows:

Input	Expected	Got	Status
3456	The number 3456 contains 4 digits.	The number 3456 contains 4 digits.	✓
30000	The number 30000 contains 5 digits.	The number 30000 contains 5 digits.	✓
57	The number 57 contains 2 digits.	The number 57 contains 2 digits.	✓
909	The number 909 contains 3 digits.	The number 909 contains 3 digits.	✓

Below the table, there is a message: "Your code failed one or more hidden tests." The Windows taskbar is visible at the bottom of the screen, showing the time as 6:13 PM on Wednesday, 1/15/2025.

2. Write a C program to check whether the given number(N) can be expressed as Power of Two (2) or not.

For example, 8 can be expressed as  $2^3$ .

Sample Test Cases

Test Case 1

Input

8

Output

8 is a number that can be expressed as power of 2.

Test Case 2

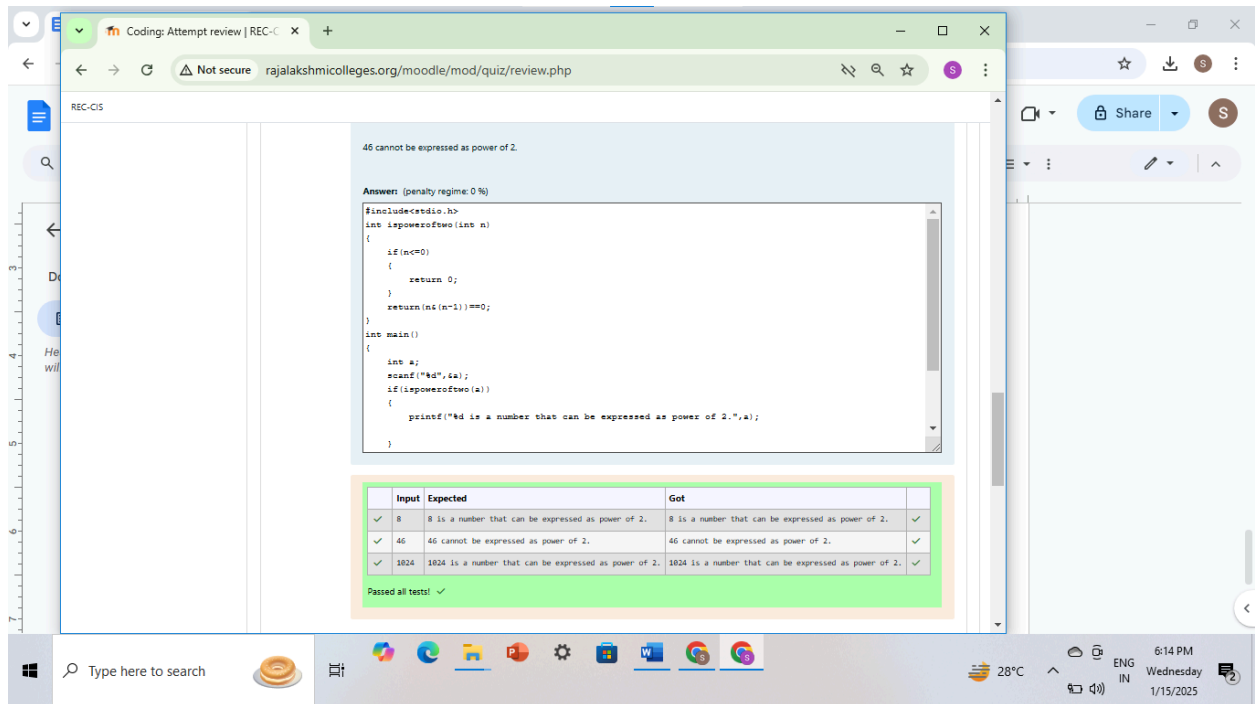
Input

46

Output

46 cannot be expressed as power of 2.

**Answer:**(penalty regime: 0 %)



3. Write a program in C to find the sum of the series  $1 + 11 + 111 + 1111 + \dots + n$  terms ( $n$  will be given as input from the user and sum will be the output)

Sample Test Cases

Test Case 1

Input

4

Output

1234

Test Case 2

Input

6

Output

123456

Answer: (penalty regime: 0 %)

Coding: Attempt review | REC-CIS x +

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REC-CIS

123456

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int sum_sum(int n)
{
    int s=0;
    int sum=0;
    for(int i=0;i<=n;i++)
    {
        sum=sum+i;
        s=s+sum;
    }
    return s;
}

int main()
{
    int n;
    scanf("%d",&n);
    int res=sum_sum(n);
    printf("%d",res);
}
```

	Input	Expected	Got	
✓	4	1234	1234	✓
✓	6	123456	123456	✓

Passed all tests! ✓

Save the state of the flags

Finish review

Type here to search

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4.