

1.The program must accept a positive integer N and print the digit in the tenth position.

Input Format:

The first line denotes the value of N.

Output Format:

The first line contains the value of N.

Boundary Conditions:

$10 \leq N \leq 99999999$

Example Input/Output 1:

Input:

20

Output:

2

Example Input/Output 2:

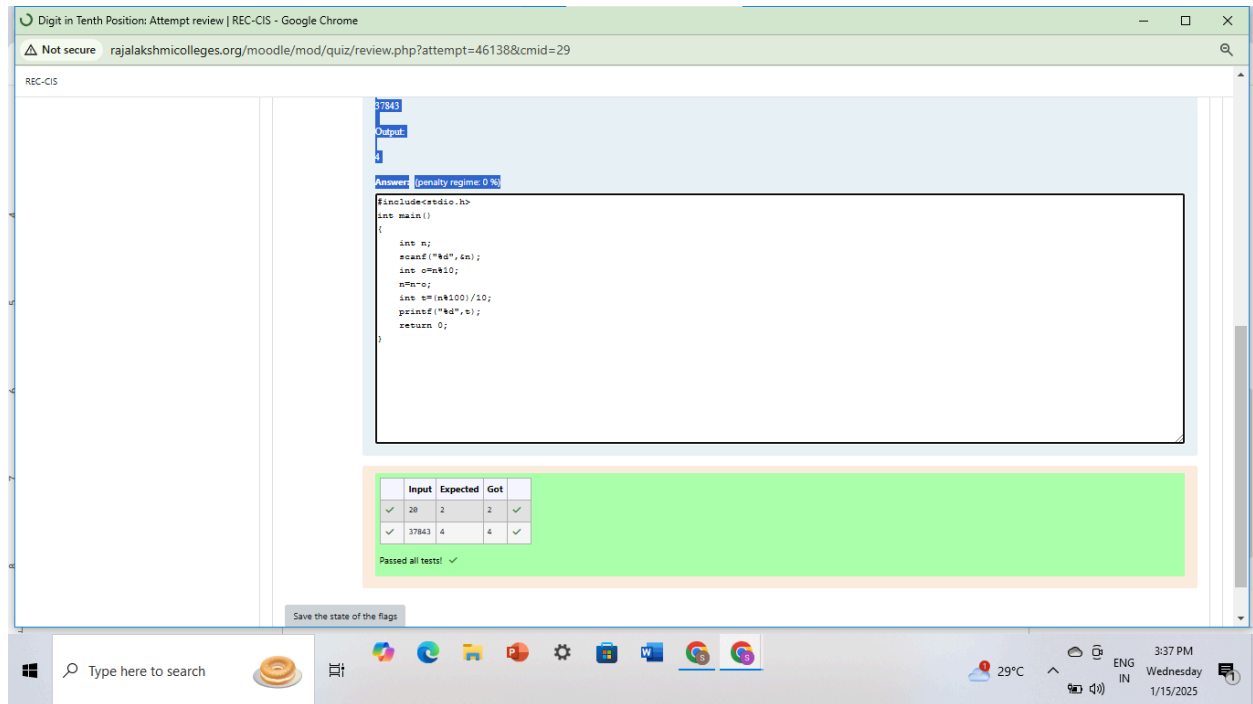
Input:

37843

Output:

4

Answer:(penalty regime: 0 %)



2. Write a C Program to calculate the area (floating point number with two decimal places) of a Circle given its radius (integer value). The value of Pi is 3.14.

Sample Test Cases

Test Case 1

Input

7

Output

Area of a circle = 153.86

Test Case 2

Input

50

Output

Area of a circle = 7850.00

Test Case 3

Input

42

Output

Area of a circle = 5538.96

For example:

Input	Result
7	Area of a circle = 153.86
50	Area of a circle = 7850.00

Answer:(penalty regime: 0 %)

The screenshot shows a web browser window with the URL rajalakshmicolleges.org/moodle/mod/quiz/review.php. The page title is "Calculate the Area: Attempt review". The main content area shows the C code for calculating the area of a circle:

```
#include<stdio.h>
int main()
{
    float r,pi=3.14,area;
    scanf("%f",&r);
    area=pi*r*r;
    printf("Area of a circle = %.2f",area);
    return 0;
}
```

Below the code, there is a table showing the input and expected output for two test cases:

Input	Expected	Got
7	Area of a circle = 153.86	Area of a circle = 153.86
50	Area of a circle = 7850.00	Area of a circle = 7850.00

Below the table, it says "Passed all tests! ✓".

3. Develop a 'C' program to [swap](#) two numbers (using three variables).

Input

10 20

Output

Before swapping :

a = 10 b = 20

After swapping :

a = 20 b = 10

For example:

Input	Result
10 20	Before swapping : a = 10 b = 20 After swapping : a = 20 b = 10

Answer:(penalty regime: 0 %)

The screenshot shows a web browser window with the URL rajalakshmicolleges.org/moodle/mod/quiz/review.php. The page title is "Swap: Attempt review | REC-CIS". The main content area displays the quiz results for a C program. The input is "10 20". The expected output is "Before swapping : a = 10 b = 20 After swapping : a = 20 b = 10". The actual output is "Before swapping : a = 10 b = 20 After swapping : a = 20 b = 10". The program code is as follows:

```
#include<stdio.h>
int main()
{
    int a=10,b=20;
    scanf("%d %d",&a,&b);
    printf("Before swapping : \na = %d b = %d",a,b);
    printf("\nAfter swapping : \na = %d b = %d",b,a);
    return 0;
}
```

The results table shows that the input, expected output, and actual output all match, and the program passed all tests.

Input	Expected	Got
10 20	Before swapping : a = 10 b = 20 After swapping : a = 20 b = 10	Before swapping : a = 10 b = 20 After swapping : a = 20 b = 10

Passed all tests! ✓

4. Write a program to print the **ASCII value** of the given character.

Input

A

Output

The **ASCII value** of the given character A is : 65

For example:

Input	Result
A	The ASCII value of the given character A is : 65

Answer:(penalty regime: 0 %)

The screenshot shows a web browser window displaying a Moodle quiz review page. The URL is `rajalakshmicolleges.org/moodle/mod/quiz/review.php`. The page title is "ASCII Value: Attempt review". The quiz question is "The ASCII value of the given character A is : 65". The user's answer is shown as a C program:

```
#include <stdio.h>
int main()
{
    char ch;
    scanf("%c", &ch);
    printf("The ASCII value of the given character A is : %d", ch);
    return 0;
}
```

The program output is shown as a table:

Input	Expected	Got
✓ A	The ASCII value of the given character A is : 65	The ASCII value of the given character A is : 65 ✓

Below the table, it says "Passed all tests! ✓". At the bottom of the quiz review, there is a "Save the state of the flags" button and a "Finish review" button. The Windows taskbar is visible at the bottom, showing the time as 3:48 PM on Wednesday, 1/15/2025, and the temperature as 29°C.