

CSA02 C Programming -Cycle-1

1. Write a program to print the below pattern.

Sample Input:

Number of line: 4

Sample output:

```
*  
  
* *  
  
* * *  
  
* * * *
```

2. Compile and Execute the C program to find whether the person is eligible for vote or not. And if that particular person is not eligible, then print how many years are left to be eligible.

Sample Input:

Enter your age: 7

Sample output:

You are allowed to vote after 11 years

3. Compile and Execute the C program to check whether the number divisible by 2, then print the given number even otherwise odd. Check and display the output on the screen.

Sample Input:

Enter the number : 6561

Sample Output:

The given number is odd

4. Compile and Execute the C program to print numbers from P to Q but except the digit R using continue statement. Check and display the output on the screen.

Sample Input:

P = 60

Q = 70

R = 3

Sample Output:

Numbers are = 60, 61, 62, 64, 65, 66, 67, 68, 69, 70

5. Write a program using function to calculate the simple interest. Suppose the customer is a senior citizen. He is being offered 12 percent rate of interest; for all other customers, the ROI is 10 percent.

Sample Input:

Enter the principal amount: 200000

Enter the no of years: 3

Is customer senior citizen (y/n): n

Sample Output:

Interest: 60000

6. Write a program for matrix Multiplication?

Sample Input:

Mat1 = 1 2

5 3

Mat2 = 2 3

4 11

Sample Output:

Mat Mul = 10 25

22 48

7. Write a program to print the number of vowels in the given statement?

Sample Input:

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Sample Output:

Number o vowels = 12

8. Write a program for matrix multiplication?

Sample Input:

Mat1 = 1 2

5 3

Mat2 = 2 3

4 1

Sample Output:

Mat Multiplication = 3 5

9 4