# C Programs

## Basic Programs:

1. Write a Program to print "HELLO WORLD".

2. Write a Program to take input from the user and display its value.

3. Write a Program to add 2 numbers.

4. Write a program to calculate the area of a circle.

5. Write a program to calculate the area of a rectangle.

6. Write a program to convert RS. Into PAISE.

7. Write a program to calculate square and cube.

8. Write a program to Display grade of a student.

9. Write a program to swap 2 numbers.

10. Write a Program to calculate quotients and remainder.

11. Find ASCII Value of Character.

12. C Program to find the simple interest.

13. Write a Program to Display Value and address of a variable.

14. Program to display even or odd using ternary (Conditional) operator.

## Programs Using If-else:

1. Write a program to check whether given no is even or odd.

2. Write a program to check whether given no is +ve, -ve or Zero.

3. Write a program to Check Smallest numbers between 2 numbers.

4. Write a program to check the largest number between 2 numbers.

5. Write a program to check eligibility of a candidate for voting.

6. Write a program to check eligibility for marriage.(For both Men and women)

7. Write a Program to calculate the grade of a student.

8. Write a Program to check whether given no is divisible by 3 and 7 or not.

9. Program to find the largest number among three numbers.
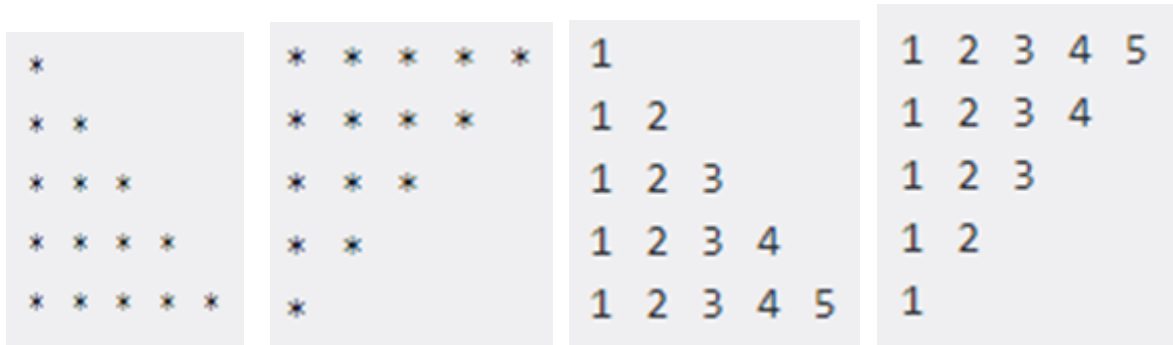
10. WAP to check leap years.

## Programs Using Switch:

1. Write a Program to read weekday number and print weekday name using switch.

2. Write a Program to read gender (M/F) and print corresponding gender using switch.

3. Write a Program to check whether a character is VOWEL or CONSONANT using switch.

4. Write a Program to design a calculator with basic operations using switch.

5. Write a Program to check whether the number is EVEN or ODD using switch.

6. Write a Program to find the number of days in a month using a switch.

## Programs Using For Loop:

1. Write a program To Print Your Name 10 times.

2. Write a program to print numbers from 1 to 10.

3. Write a program to display a multiplication table for any number.

4. Write a c program to print the factorial of a number.

5. Write a c program to print fibonacci series.

6. C Program to Display Characters from A to Z Using Loop.

7. C Program to print following patterns.

```
*                * * * * *       1                1 2 3 4 5

* *              * * * *         1 2              1 2 3 4

* * *            * * *           1 2 3            1 2 3

* * * *          * *             1 2 3 4          1 2

* * * * *        *               1 2 3 4 5        1
```

## Programs Using While Loop:

1. Write a program To Print Your Name 10 times.

2. Write a program to print numbers from 1 to 10.

3. Write a program to print numbers from 10 to 1.

4. Write a program to Display a Multiplication table.

5. Write a program to display all the even numbers between 1 to 10.

6. Write a program to display all the odd numbers between 1 to 10.

7. Write a Program to find the sum of natural numbers.

8. C program to read the age of 15 people and count total Baby age, School age and Adult age.

9. Sum of digits program in C.

10. WAP to generate FIBONACCI SERIES.

11. WAP to check whether the number is Palindrome or not.

12. WAP to check whether the number is Armstrong or not.

**Programs Using do-while Loop:**

1. Write a program To Print Your Name 10 times.

2. Write a program to print numbers from 1 to 10.

3. Write a program to Display a Multiplication table.

**Programs Using goto, Break & Continue:**

1. Write a Program to print 1,2,3,4,6,7,8,9,10. (Skip 5)

2. Write a Program to print 1,2 (condition 10 but break after 3)

3. Write a program to take input from the user until he/she enters zero.

4. Write a program to take input from the user until he/she enters a negative number.

5. Write a Program to print 1,3,4,6,7,8,9. (Skip 2,5,10)

6. Write a Program to print "HELLO WORLD" 10 times using GOTO.

7. Write a Program to print 1 to 10 using GOTO