

C Revision

1-Expresion & operators

Write a C program to take any number from user and count the total number of zeros (0s) and ones (1s)

```
Enter any number: 10
Total zero bit is 30
Total one bit is 2
```

2-if conditions

Write C program to check Leap Year or not.

Hint : If year is exactly divisible by 4 and not divisible by 100, then it is leap year. Or if year is exactly divisible by 400 then it is leap year

```
Enter year : 2018
NOT LEAP YEAR
```

3-switch case

write C Program to Make a Simple Calculator Using switch...case

```
Enter an operator (+, -, *, /): +
Enter two operands: 10
20
10.0 + 20.0 = 30.0
```

4-LOOPS

Write a C program to input a number and calculate sum of digits

```
Enter any number to find sum of its digit: 12345
Sum of digits = 15
```

write C Program to calculate the power of a number

```
Enter the number: 2
Enter a power: 3
Answer = 8
```

5- Function

write C Program to find maximum and minimum of 4 numbers using functions.

6- Array

Write a C program to input elements in array from user and count even and odd elements in array

```
Enter size of the array: 5
Enter 5 elements in array: 21
56
34
82
11
Total even elements: 3
Total odd elements: 2
```

7-String

Write C Program to Copy String Without Using strcpy().

8- Pointer

Write a C Program to Return multiple value from function-using pointers

Return minimum and maximum of the ARRAY

```
Enter size of array: 5
Enter 5 elements in array: 1
2
3
4
5
Minimum element in array: 1
Maximum element in array: 5
```

9- Numbers

write C Program to convert binary number to decimal

```
Enter a binary number: 10110011
10110011 in binary = 179 in decimal
```

Write a C program to input any number from user and check whether nth bit of the given number is set (1) or not (0)

```
Enter any number: 10
Enter nth bit to check (0-31): 2
The 2 bit is set to 0
```