

Practice 2 Repetition / Loop

Note: Don't use list/ array in these questions

1. Write a program to input 5 numbers, print their sum and average

2. Write a program in C to display the cube of the number up to given an integer.

Test Data :

Input number of terms : 5

Number is : 1 and cube of the 1 is :1

Number is : 2 and cube of the 2 is :8

Number is : 3 and cube of the 3 is :27

Number is : 4 and cube of the 4 is :64

Number is : 5 and cube of the 5 is :125

3. Write a program to input numbers and print their cube, until user press -1 as input, see test data for better understanding:

Test Data :

Number: 2

Cube: 8

Number: 5

Cube: 125

Number: -1

4. Write a program to print following pattern using single loop. Try to make your program generalized (that is easily modified for lesser or more rows or values):

```
1
2 3
4 5 6
7 8 9 10
```

5. Write a program to print following pattern using single loop. Try to make your program generalized (that is easily modified for lesser or more rows or stars):

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

6. Write a program to print following pattern using single loop. Try to make your program generalized (that is easily modified for lesser or more rows or values):

```
1 = 1
2 + 3 = 5
4 + 5 + 6 = 15
7 + 8 + 9 + 10 = 34
11 + 12 + 13 + 14 + 15 = 65
```