

Lets write programs from simple to complex

Simple programs (with control structures)

Objectives :

1. you should be able to use looping... control structures(for...do...while/while)

Exercises

1. Write a program to display multiplication table as follows

```
Enter table number      :- 5
Enter the level number  :- 12
The result:
5 x 1  = 5
5 x 2  = 10
5 x 3  = 15
5 x 4  = 20
5 x 5  = 25
5 x 6  = 30
5 x 7  = 35
5 x 8  = 40
5 x 9  = 45
5 x 10 = 50
5 x 11 = 55
5 x 12 = 60
```

2. Write a program to to display all the even numbers between 1 to 25.
N.B: You must use any one of looping structure for this.

```
The result:
2    4    6    8    10   12   14   16   18   20   22   24
```

3. Alter the above program to display odd number between the same sequence.

```
The result:
1    3    5    7    9    11   13   15   17   19   21   23   25
```

4. Write a program to display the following series of number system between 1 to 50.
N.B: You must use any one of looping structure for this.

```
The result:
1    2    4    7    11   16   22   29   37   46
```

5. Write a program to display the following series of number system between 1 to 100.

N.B: You must use any one of looping structure for this.

The result:

1 2 3 5 8 13 21 34 55 89

6. write a program to find the total, average, maximum and minimum values of given ten values as follows.

Enter the ten values.

(1). 45
(2). 56
(3). 78
(4). 36
(5). 25
(6). 71
(7). 65
(8). 72
(9). 32
(10).24

The result:

Total : 505
Average : 50.5
Maximum : 78
Minimum : 24

7. write a program to find the total, average, maximum and minimum values of given number of values as follows.

How many values : 5

(1). 45
(2). 56
(3). 78
(4). 36
(5). 25

The result:

Total : 240
Average : 48
Maximum : 78
Minimum : 25