C # Programming: Practical 12

**Question 1:** Write a Program using a FOR Loop that will print 5 stars on screen, *i.e. \*\*\*\*\**.

[10 Minutes]

**Question 2:** Write a Program using a FOR Loop that will print *N* stars on screen, where *N* is specified by the user at runtime.

If a value less than 1 is entered for *N*, an appropriate error message should be displayed on screen.

[15 Minutes]

**Question 3:** Write a Program using a FOR Loop that will print each number between 5 and 10 on screen (inclusive).

[10 Minutes]

**Question 4:** Modify your answer to Question 3 so that the numbers are printed in reverse order, *i.e. 10, 9, 8, …, 5*.

[5 Minutes]

**Question 5**: Write a Program using a FOR Loop that will calculate and display the sum of all numbers between 1 and 10.

[15 Minutes]

**Question 6**: Write a Program using a FOR Loop that will calculate and display the sum of all numbers between 1 and *N*, where *N* is specified by the user at runtime.

If *N* is less than 1, an appropriate error message should be displayed on screen.

[15 Minutes]

**Question 7**: Write a Program using a FOR Loop that will calculate and display the sum of all even numbers between 1 and 100.

[15 Minutes]

**Question 8**: Write a Program using a FOR Loop that will ask the user to enter the age of *N* people, where *N* is specified by the user at runtime.

Once all ages have been inputted by the user, the Program should then display the average of the *N* ages entered.

AVERAGE = SUM\_OF\_ALL\_AGES / *N*

[20 Minutes]

**Question 9**: Write a Program using a FOR Loop that asks the user to enter a number and then displays a table of cubes and squares from 1 up to the number specified. Sample output is as follows if the number entered is 4:

Please Enter A Number: 4

Number Square Cube

1 1 1

2 4 8

3 9 27

4 16 64

* **NOTE**: If the number entered is less than 1, an appropriate error message should be displayed on screen.

[25 Minutes]

**Question 10**: Write a Program using a FOR Loop that will calculate the sum of all integers in the range 1 – 100 that are evenly divisible by 7 **AND** 4.

[20 Minutes]

**Question 11**: Write a Program using a FOR Loop that will calculate the sum of all integers in the range 1 – 100 that are evenly divisible by 7 **OR** 4.

[15 Minutes]