OS and Network Lab Assignment-4

Objective: Implementation of while, for and until loops.

(Note: Write only the objective on the index page of the lab file.)

Q.1) Write a Shell Script to arrange the elements of the array *number* = {9, 4, 7, 6, 2, 5, 3} in ascending order.

Q.2) Develop a Shell Script that implements a factorial function. The function should accept an argument from the main program and return the computed factorial value back to the main program.

Q.3) Write a Shell Script to display the multiplication table of every number from 1 to 20.

Q.4) Create a Shell Script that accepts an integer as input and prints its digits in reverse order (e.g., if n = 125, the output should be 521).

Q.5) Write a Shell Script to display the following star pattern:

*

**

***

****

*****

******

Q.6) Write a Shell Script that takes the principal amount, time and interest from the user and computes the compound interest. Assume that interest is compounded yearly.

Q.7) Write a Shell Script to display all odd numbers in the range from 1 to 1000.

Q.8) Write a Shell Script to print the names of all bash programs present in the current directory.