Week – 2

SHELL PROGRAMMING

Exercise 3

Write a shell script to generate a multiplication table.

a) Interactive version: The program should accept an integer *n* given by the user and should print the multiplication table of that *n*.
b) Command line arguments version: The program should take the value of *n* from the arguments followed by the command.
c) Redirection version: The value of *n* must be taken from a file using input redirection.

Use the commands **read, echo, expr, while,** *or* **for**.

Exercise 4

Write a shell script that copies multiple files to directory.

a) Interactive version
b) Command line arguments version

Use the commands **echo, read, cp, mkdir**.

Exercise 5

Write a shell script which counts the number of lines and number of words present in a given file.

a) Interactive version
b) Command Line arguments version

Use the commands **echo, read, ls.**

Exercise 6

Write a shell script which displays the list of all files in a given directory.

a) Interactive version
b) Command Line arguments version

Use the commands **echo, read, ls**.

Exercise 7

Write a shell script (small calculator) that adds, subtracts, multiplies and divides the two given numbers. There are two division options: one returns the quotient and the other remainder. The script requires three arguments: the operation to be used and the two integers. The operation are specified by options:

Add	-a
Subtract	-s
Multiply	-m
Quotient	-c
Remainder	-r

Use the **if** *and* **case** *structures.*