Operating Systems Laboratory

Master of Computer Application
First Year, Second Semester
Session: 2022-23

Assignment - I

Instructor: Mridul Sankar Barik   Date: 04/04/2023

1. Write a shell script which accepts length and breadth of a rectangle and calculates the area and perimeter of the rectangle.

2. Write a shell script which accepts basic salary of an employee and calculates net salary and displays the salary slip.

3. Write a shell script which accepts a five digit number and prints sum of its digits.

4. Write a shell script which accepts a five digit number and prints the reverse number.

5. The /etc/passwd file stores user account information. It contains one entry per line for each user (user account) of the system. Each line contains seven fields which are separated by a colon (:) symbol. The fields are:

   (i) Username
   (ii) Password
   (iii) User Id
   (iv) Group Id
   (v) User Id Info
   (vi) Home Directory
   (vii) Login Shell

   Write a shell script which accepts a user login name and displays detail information about the users as available from the file /etc/passwd.