

Operating Systems Laboratory

Master of Computer Application

First Year, Second Semester

Session: 2023-24

Assignment - I

Date: 20/03/2024

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`.