OS-MCA2 Assignment(sed grep awk) --- Practical

1. Write a script that takes file name from user and display all line starting with a or b or c. (Use grep/sed)

2. Write a script that takes file name from user and display all line starting not with a or b or c. (Use grep/sed)

3. Write a script that takes file name from user and display all line starting not with a or b or c with line numbers. (Use grep/sed)

4. Write a script that takes file name from user and substitute all spaces " " with # value. (Use grep/sed)

5. Write a script that takes file name from user and display all line start with t or T and second character must be either 'h' or 's'. (Use grep/sed)

6. Write a script that takes file name from user and display all line start with space(' ') . (Use grep/sed)

7. Write a script which takes input from a file, with multiple records, as:
   Firstname:middlename:lastname:address:city:pin:phone
   and displays output as:
   Record 1
   Lastname middlename firstname
   Address
   City – pin
   Phone

   Record 2
   Lastname middlename firstname
   Address
   City – pin
   Phone
   and so on, for all records.

8. Write a script that shows usernames and no. of processes running for them.

9. The book master file contains the fields book_no, book_name, author, dateofpurchase ,each field is separated by hypen. write a script for
   (A) Add
   (b) Modify
   (C) Delete
   from above file.

10. Write a shell script to display list of files which can be either regular or directory along with number of links in ascending order of links.

11. write a script to count number of vowels in file irrespective of case.

12. write a script that accepts a string followed by one or more file names from command line and display no of lines that consists of given string each file.

13. Create a text file with the headings and data as bill_no, cust_no, cust_name, address, city, pin, current_meter_reading, previous_meter_reading, month. Write a script that takes the input from this file and displays the bill for the query against cust_no/bill_no/cust_name. (input at least 15/20 records in this text file); otherwise message that no record exists.

14. Write a shell script to generate summary from the sales.dat file.Sales made by 3 salesman by selling 3 products are entered in a file. Add atleast 10 records. The format is as shown below:
    Salesman:Product1:Product2:Product3
    Sample data:
    Mr. Abhishek Sharma:21:29:12
    Mr. Akash Srivastava:11:15:28
    Mr. Abhilash Dwivedi:31:04:13

    Calculate the followings :
    1. Total sales of the company
    2. Highest sold product
    3. Best salesman (who sold the most)
    4. Worst salesman (who sold the least)

15. Write a shell script to generate summary from a file : “student.dat” with following format :
    Student_no : student_name : gender : marks1 : marks2 : marks3

    Each field must be separated by a delimeter ‘-‘

    Process the following queries:
    1. Calculate the total marks of each student
    2. Calculate the percentage of marks for each student
    3. Count the total number of male and female students
    4. Count the total number of students who pass and those who fail.