Practical assignment-3 24-25

1. Write a shell script to test the file is an executable file or not.

2. Write a shell script to test the file is a readable file or not. Also display total number of lines, words, characters of file.

3. Write a shell script to print 1 to 20 numbers in reverse order and also calculate the sum of odd numbers.

4. Write a shell script to enter the records in a file from keyboard and display the file. Make proper validation.

5. Write a shell script to test the length of string is zero or not. 6. Write a shell script to list, copy, & rename file using select case.

7. Write a shell script to check whether entered file exists or not

8. Write a shell script to check whether entered input is palindrome or not.

9. Write a shell script that display 5th line of all files of current directory that starts with vowels.

10. Write a shell script that pass a file name and pattern from command line and check whether that pattern occurs in the file or not.(check for appropriate validation).

11. Write a menu driven script to convert the content of file in to uppercase or lowercase based on user choice

12. Write a shell script to accept a string from the user and convert all odd number character in to uppercase, e.g. : Input : tybca Output : TyBcA the directory. (File names should be passed as command line arguments and perform proper validation.

13. Write a script which count nos. of vowels in the entered string.

14. write a scripts to validate the name of person accepted through keyboard so that it doesn't exceed 10 character of length.

AWK Script

1. Write an AWK script to display number of words and characters in each line.
2. . Write an AWK script that display last word of each line.
3. . Write an AWK script to reverse individual word of a line from file. Example: INPUT: HELLO WORD OUTPUT: OLLEHDROW
4. Write an AWK script that will count total number of students in each department using file stud.txt having fields (rno, name, dept, marks). Display total marks department wise
5. Write an AWK script to display number of words and characters in each line.
6. Write an AWK script that display last word of each line.
7. Print odd number of words in each line.
8. Print all user/login names available in etc/passwd.
9. To display the user login id, their home directories and login shell.
10. Print the fields 2,3,4, and 6 from test.txt file which contain the pattern 'comp'.
11. print all lines containing string 'for' in test.txt file.

12. count the occurrences of pattern 'operating system file f1.' in
13. Create a student-dat file which contain rollno and marks of 5 tests. Write an awk script to calculate total and average marks for each student.
14. Write an awk script to display file contents in reverse.
    (i.e last line should be displayed first,…..,first line should be displayed last.)
15. Write a script using awk utility to create two 3*3 matrix and multiply it .
16. Print lines on 18 to 30 from file f1.txt
17. Count the total no. of lines in a file.
18. Write a script to print 1 to 10 numbers.
19. write a command to print those lines where field2 is computer field3 > 15000 from sales file.
20. Switch the first two fields in each line of a text and put the result in a new file.
21. To only print lines where in the first field had a numeric value of less than 20.
22. To display only those records having even number of fields.
23. To display total numbers of bytes occupied by all files available in working Directory.
24. To display record number having maximum no of fields.
25. To display no of fields for each record.
26. . To display total no of records whose 1st field begins with small or capital alphabet.
27. Print odd number of words in each line.
28. Count the occurrence of word ‘unix’ in file f1.
29. Display those words whose length is greater than 8 characters and consist of alphabet only.
30. To print words whose length is more than 4 digits and consists of digit only.