Week03 Exercises

Shellprogramsbasedongrep,awk,sedcommands

1. AnswerthefollowingQuestions (Usegrepcommand):

- Createatextfile"sample.txt"
- Sample.txtfilecontainsthefollowingfiles

Sample.txt

unixisgreatos.unix wasdevelopedinBelllabs. learn

operating system.

Unixlinuxwhichoneyouchoose.

uNixiseasyto learn.unixisamultiuseros.Learnunix.unixisapowerful.

- Referthematerialsharedandanswerthefollowingquestions.

a. Write a shell program to search for a string "unix" case insensitively in the given file "Sample.txt".
b. Write a shell program tofindthe numberof linesthat matchesthegiven string "unix"
c. Write a shell program to search for a string "unix" Print only the matchedparts of a matching line, with each such part on a separate output line.
d. Writea shellprogramtosearchastring"unix" andalsodisplayline number while displaying the output.
e. Write a shell program to display the lines that does not contain the string"unix"
f. Write a shell program to display the lines which start with the given string "unix"
g. Writeashellprogramtodisplaythelineswhichendswiththestring"os".

2. Writeashellprogramtodisplaythefilesthatcontainsthegivenstring.(use grep command)

3. AnswerthefollowingQuestions (Useawkcommand):

Createatextfile"employee.txt"

ajay manager account 45000
sunil clerk account 25000
varun manager sales 50000
amitmanageraccount47000
tarun peon sales 15000
deepak clerk sales 23000
sunil peon sales 13000
satvikdirectorpurchase80000

a. Printthelineswhichmatchthepattern"manager"
b. Printonlythenameandsalaryfield.
c. Countandprintthenumberoflinesforeverypatternmatch"Clerk"
d. PrintLineswithMorethana25Characters.Alsosavetheoutputtoadifferentfile.

4. AnswerthefollowingQuestions (Usesedcommand):

a. Replacethesecondoccurrenceonlyofamatchoneachline
b. Replacethelastoccurrenceonlyofa matchoneachline
c. Deletematchinglines