

1. A) Write a shell script to read 3 sides of a triangle and check whether the triangle is equilateral, isosceles or scalene .

B) Consider the following database.

Empno|empname|designation|basicsalary|department|doj|no.of.daysworked

1|aaa|manager|10000|sales|22/6/77|30

3|ccc|manager|10000| sales |22/6/70|20

4|ddd|manager|10000|prod|22/6/72|31

5|eee|worker|5000| prod |22/6/77|31

6|fff|worker|5000| sales |22/6/87|15

7|ggg|worker|5000| marketing |22/6/97|26

9|sss|storekeeper|7000|marketing|22/6/79|26

Write a shell script for the following

1. to show the number of workers
 2. to sort based on the d.o.j
 3. to prints the name of emp. Whose designation is manager and working in production department.
 4. to print the name of employees Whose designation is manager or working in production department.
 5. Print only id number of pattern worker
2. A) Write a shell script to find the biggest of three numbers.
 - A. Write a shell script to check whether given file is empty, if it is not empty print the number of words present in a file
3. A) Write a shell script to find gross salary of employee using following condition.
 - If bs > 8000 da=95% of bs and hra=1.1 % bs
 - If bs <7999 and more then 5000 da=90% of bs and hra=1.5 % bs
 - Else da=98% of bs and hra=1000
 - Gs=bs+da+hra

- B) Write a shell script to print the version of a operating system your are using and print the all information of the hidden files present in current working directory
4. A) Write a shell script to check following condition w.r.t to strings
- equality
 - null string
 - Not a null string

B) Consider the following database.

Empno|empname|designation|basicsalary|department|doj|no.of.daysworked

1|aaa|manager|10000|sales|22/6/77|30

3|ccc|manager|1500| sales |22/6/70|20

4|ddd|manager|6000|prod|22/6/72|31

5|eee|worker|5000| prod |22/6/77|31

6|fff|worker|4000| sales |22/6/87|15

7|ggg|worker|5000| marketing |22/6/97|26

9|sss|storekeeper|35000|marketing|22/6/79|26

Write a shell script for the following

- to sort based on salary and print it in a reverse order
- to print how many manager are present in a database.
- to prints the name of emp. Whose designation is manager and working in production department.
- to print the records other then the manager.
- Print first 5 records of a database