Problem Statement 2

1. Search for a pattern (sample) in all the files/subdirectories from current directory.

**Ans. grep -s -I -r <stringname>**

1. Count the no. of directories / sub directories in current directory.

**Ans. ls \directory | wc -l**

1. Display day of week for a given date. (ddmmyyyy).

**Ans. Date+%A**

1. Display contents of all .lst files in the current directory.

**Ans. cat\*.lst**

1. For a student file with the following fields, Roll-no, name, marks.

 Generate 2 files

A) 'Pass' and

B) Fail

containing records of student who have passed or failed. Also count the number of students who have passed or failed.

**Ans. declare -a marks**

**pass=0**

**fail=0**

**marks[$1]=$3**

**touch Pass.txt**

**touch Fail.txt**

**for var in marks**

**do**

**if(marks[var]>=35)**

**then**

**pass+=1**

**echo var marks[var] >>Pass.txt**

**else**

**fail+=1**

**echo var arks[var]>>Fail.txt**

**fi**

**echo ”passed students $pass”**

**echo “failed students $fail”**

1. Accept a date string from terminal and display the employees born after the input date.

**Ans. ACCEPT input VARCHAR(50)PRINT ”Please give date”**

**SELECT \* FROM TABLE WHERE CAST(input as date)>Date;**

1. Find the number of employees belonging to a particular department specified by user.

**Ans. SELECT COUNT(Dept)**

**FROM TABLE**

**WHERE dept=”QA testing”;**

1. Find the count of people in each dept. of the employee file.

**Ans. SELECT dept, COUNT(\*)**

**FROM TABLE**

**GROUP BY dept;**

1. Generate a list of S.E. who earn more than the amount specified by the user.

**Ans.** **ACCEPT amt number PRINT ”Enter base salary of comparison”**

**SELECT name FROM TABLE WHERE number<emp\_salary;**

1. View the employee records in order of designations.

**Ans. SELECT \* FROM TABLE GROUP BY designation;**

1. List employee details of all employees who earn more than the average salary of all employees.

**Ans. SELECT \* FROM TABLE WHERE salary>AVG(salary);**