**DML**

## DML stands for Data Manipulation Language. The SQL statements that are in the DML class are INSERT, UPDATE, DELETE and SELECT. In the given lab we are using the schema of company database.

## **Task 1**

## Many employees can work in our company. We want to retrieve record of each employee.

## use company;

## select \* from employee;

## 

## **Task 2**

## Display the first name employees having salary greater than 40,000.

## use company;

## select fname from employee where salary > 40000;

## 

## **Task 3**

## Display the name of those employees who work as supervisor in the company.

## use company;

## select fname, lname from employee e where ssn in (select superssn from employee);

## 

## **Task 4**

## Display the salary and department number of all female employees’.

## use company;

## select salary, dno from employee where sex = 'F';

## 

## **Task 5**

## Display the first name of those employees whose salary between 40,000 and 50,000.

## use company;

## select fname from employee where salary between 40000 and 50000;

## 

## **Task 6**

## Display distinct first name of all the employees works for department, having dno = 5.

## use company;

## select distinct fname, lname from employee where dno = 5;

## 

## **Task 7**

## Sort the data of all employees in descending order on the basis of their salary

## use company;

## select \* from employee order by salary desc;

## 

## **Task 8**

## User wants to start a new project of image processing in USA in department no 6.

|  |  |  |  |
| --- | --- | --- | --- |
| Image processing | 4 | USA | 6 |

## insert into project (

## pname, pnumber, plocation, dnum

## ) values (

## 'Image Processing',

## 4, 'USA', 6

## );

## 

## **Task 9**

## Now user is facing difficulty while working on a project names Operating Systems in Jacksonville, he wants to change the location from Jacksonville to London.

## use company;

## update project set plocation = 'London' where pname='OperatingSystems' and plocation='Jacksonville';

## select \* from project;

## 

## **Task 10**

## User wants to stop the work on image processing project. So delete the record against this project from database.

## delete from project where pnumber = 4;

## select \* from project;

## 

## **Task 11**

## Show the names of all employees except who are working in department no. 7

## use company;

## select fname, lname, dno from employee where dno != 7;

## 