Ex.No.: 2		DATA MANIPULATIONS
Date:		

Create the following tables with the given structure.

EMPLOYEES TABLE

NAME	NULL?	TYPE
Employee_id	Not null	Number(6)
First_Name		Varchar(20)
Last_Name	Not null	Varchar(25)
Email	Not null	Varchar(25)
Phone_Number		Varchar(20)
Hire_date	Not null	Date
Job_id	Not null	Varchar(10)
Salary		Number(8,2)
Commission_pct		Number(2,2)
Manager_id		Number(6)
Department_id		Number(4)

(a) Find out the employee id, names, salaries of all the employees

```
select emp-id, first-name, last-name, salary from employee;
```

(b) List out the employees who works under manager 100

```
Select emp-id, first-name, last-name, salary from employee where manager-id <100;
```

(c) Find the names of the employees who have a salary greater than or equal to 4800

```
Select first-name, last-name from employee where salary >= 4800;
```

(d) List out the employees whose last name is 'AUSTIN'

```
Select first_name, last_name from employees where
last_name = 'AUSTIN';
```

(e) Find the names of the employees who works in departments 60,70 and 80

```
Select first_name, last_name from employees
where Dept_id = 60 or Dept_id = 70 or Dept_id = 80;
```

(f) Display the unique Manager_Id.

```
Select Distinct Manager_id from employees;
```

Create an Emp table with the following fields: (EmpNo, EmpName, Job,Basic, DA, HRA,PF, GrossPay, NetPay) (Calculate DA as 30% of Basic and HRA as 40% of Basic)

(a) Insert Five Records and calculate GrossPay and NetPay.

(b) Display the employees whose Basic is lowest in each department.

(c) If Net Pay is less than

DEPARTMENT TABLE

NAME	NULL?	TYPE
Dept_id	Not null	Number(6)
Dept_name	Not null	Varchar(20)
Manager_id		Number(6)
Location_id		Number(4)

JOB_GRADE TABLE

NAME	NULL?	TYPE
Grade_level		Varchar(2)
Lowest_sal		Number
Highest_sal		Number

LOCATION TABLE

NAME	NULL?	TYPE
Location_id	Not null	Number(4)
St_addr		Varchar(40)
Postal_code		Varchar(12)
City	Not null	Varchar(30)
State_province		Varchar(25)
Country_id		Char(2)

1. Create the DEPT table based on the DEPARTMENT following the table instance chart below. Confirm that the table is created.

Column name	ID	NAME
Key Type		
Nulls/Unique		
FK table		
FK column		
Data Type	Number	Varchar2
Length	7	25

Create table Dept As SELECT Dept-id, Dept-name from department;

2. Create the EMP table based on the following instance chart. Confirm that the table is created.

Column name	ID	LAST_NAME	FIRST_NAME	DEPT_ID
Key Type				
Nulls/Unique				
FK table				
FK column				
Data Type	Number	Varchar2	Varchar2	Number
Length	7	25	25	7

Create table emp (ID number(7), Last_name varchar(25), first_name varchar(25), Dept-ID number(7));

3 Modify the EMP table to allow for longer employee last names. Confirm the modification.(Hint: Increase the size to 50)

ALTER TABLE emp modify last_name varchar2(50);

4 Create the EMPLOYEES2 table based on the structure of EMPLOYEES table. Include Only the Employee_id, First_name, Last_name, Salary and Dept_id coloumns. Name the columns Id, First_name, Last_name, salary and Dept_id respectively.

Create table employees2 as select employees as Id first_name, last_name, salary, Dept_id as dep_id;

5 Drop the EMP table.

Drop table emp;

6 Rename the EMPLOYEES2 table as EMP.

Alter table employees2 Rename to emp;

7 Add a comment on DEPT and EMP tables. Confirm the modification by describing the table.

Comment on table emp is 'this shows employees Details';
comment on table Dept is 'This shows Department Details';
Select * from User_tab_comments;

8 Drop the First_name column from the EMP table and confirm it.

Alter table emp Drop column first_name;

Evaluation Procedure	Marks awarded
Query(5)	5
Execution (5)	5
Viva(5)	4
Total (15)	14
Faculty Signature	