Ex.No.: 2		DATA MANIPULATIONS
Date:	30/7/24	

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 Department_id = 60
or Department_id = 70 or Department_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,

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 Varchar 2 (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 EMPLOYEES 2 as select Employees as Id,
FIRST_NAME, LAST_NAME, SALARY, DEPARTMENT_Id as dept_id;
```

5 Drop the EMP table.

```
Drop Table Emp;
```

6 Rename the EMPLOYEES2 table as EMP.

```
Alter Table Employees 2 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 show employees Details';
Comment on Table Dept is 'This show 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)	5
Total (15)	15
Faculty Signature	