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

create table my-employee 2(emp_ID Number(6) not null, First_name Varchar(20)
Last-name Varchar(25), Email Varchar(25), phone-number Varchar(20),
Hire date, Job-ID number (10), salary Number(8,2), commission pt number
(2,2)
(b) List out the employees who works under manager 100

select my employee 2 from   manager-id number(6),

employee-id, Firstname, Lastname, salary from my-employee2
Department-ID number(6));

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

select First_Name, Last_name - From my employee2 where

Salary >= 4800,

(d) List out the employees whose last name is 'AUSTIN' : select my-employee2.id,

First_name, Last-Name, Email, phone_number, Hire_date, Job-id,

Salary, commission-pct, Manager_id, Department id From my_employee 2

    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 my-employee2 where

Department_id IN (60,70,80) ;

(f) Display the unique Manager_Id.

Select distinct manager id from any-employee2 where manager id is

    not null ;

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)

Create table emp21(empno number (6), emp name varchar(50), job Varchar(50),

Basic number(10/2), DA Number(10/2), HRA number(10/2), PF Number (10/2),

Gross pay number (10,2), net pay number (10,2)) ;

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

insert into emp21 values (Empno, Empname, job, Basic, DA, HRA, PF, GROSS pay, netpay)Value

(1, 'John Doe', 'Manager', 5000, (5000 * 0.3), (5000*0.4), (5000 * 0.1), (5000+5000*0.3+

5000 * 0.4), (5000+ 5000 * 0.3+ 5000 * 0.4 - 5000 * 0.1)) ;

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

Select Empno, EmpName, Job, Basic

From Emp21

where (Department_id, Basic) IN (select Department_id , min (Basic)

(c) If Net Pay is less than from emp group by Department_id);

select Empno, Empname, job, Basic

    from emp21

where (Department_id, Basic) in (select Department_id, min

    where netpay < 5000 ,

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 (

ID number (7),

Name varchar (25)

);

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), First_name. Varchar(25), Last_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(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 (Employee-id number(4), First-name varchar(20),

last_name varchar(20), salary number (6,2), Dept-id number(4) ;

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 dept is " This department table" ;

Comment on table emp is " This employee table " ;

Select * from user_table_comment ;

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

Alter table employee drop column First_name ;

Commit ;

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