EXPERIMENT NO: 2 DATE: 07-08-24

REGISTER NO: 231501057 NAME: HARISH KUMAR V

DATA MANIPULATIONS

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

Employee_id, First_Name, Salary from EMPLOYEES;

EMPLOYEE_ID	FIRST_NAME	SALARY
1	Justin	4900
2	Emma	5500
3	Robert	9000
4	Scarlett	8000
5	Chris	7500
6	Mark	7200
7	Chris	7800
8	Jeremy	3800
9	Tom	6000

b) List out the employees who works under manager 100

select First_Name $\| ' ' \|$ Last_Name as name from EMPLOYEES where manager_id =100;



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

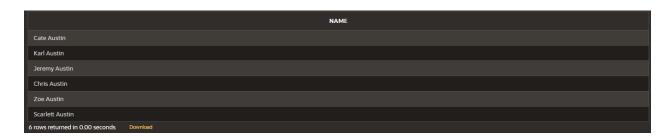
select First_Name || ' ' || Last_Name as name from EMPLOYEES Where salary >= 4800;



d) List out the employees whose last name is AUSTIN

where Last_Name = 'Austin';

select First_Name || ' ' || Last_Name as name from EMPLOYEES



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

select First_Name || ' ' || Last_Name as name from EMPLOYEES where Department_id in (60,70,80);



f) Display the unique Manager_Id.

select DISTINCT(manager_id) from EMPLOYEES;



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

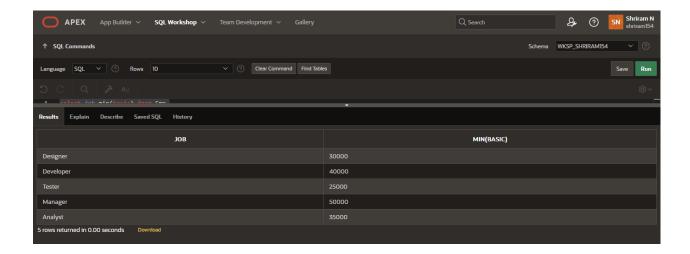
```
INSERT INTO Emp (EmpNo, EmpName, Job, Basic, DA, HRA, PF, GrossPay, NetPay)
VALUES (
101, 'John Doe', 'Manager', 50000, 15000, 20000, 6000,0,0 ,
102, 'Jane Smith', 'Developer', 40000, 12000, 16000, 4800,0,0 ,
103, 'Alice Johnson', 'Analyst', 35000, 10500, 14000, 4200,0,0 ,
104, 'Bob Brown', 'Designer', 30000, 9000, 12000, 3600,0,0 ,
105, 'Charlie Davis', 'Tester', 25000, 7500, 10000, 3000,0,0 )

update emp
set GrossPay = Basic+DA+HRA
where Grosspay = 0;

update emp
set NetPay = Grosspay - PF
where Netpay = 0;
```

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

```
job,min(basic) from Emp group by Job;
```



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

```
Create table DEPT(
ID Number(7),
Name varchar(25)
```

Desc DEPT;

);



2) Create the EMP1 table based on the following instance chart. Confirm that the tableis created.

```
create table EMP1(
ID Number(7),
First_name varchar(25),
Last_name varchar(25),
Dept_id Number(7)
```

);

Desc EMP1;



3) Modify the EMP1 table to allow for longer employee last names. Confirm the modification.(Hint: Increase the size to 50)

ALTER TABLE EMP1 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 EMPLOYEES2(ID Number(10), First_name varchar(50), Last_name varchar(50), Salary Number(10), Dept_id Number(10));
```

5) Drop the EMP1 table.

drop table EMP1;

6) Rename the EMPLOYEES2 table as EMP1.

ALTER TABLE EMPLOYEES2 RENAME TO EMP1;

7) Add a comment on DEPT and EMP1 tables. Confirm the modification by describing the table.

comment on TABLE DEPT IS 'this table contains the fields ID and NAME..';

SELECT TABLE_NAME, COMMENTS FROM USER_TAB_COMMENTS WHERE TABLE NAME = 'DEPT';



comment on TABLE EMP1 IS 'this table contains the fields ID, first name, lastname, salary, DEPT_id..';

SELECT TABLE_NAME, COMMENTS FROM USER_TAB_COMMENTS WHERE TABLE_NAME = 'EMP1';



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

ALTER TABLE EMP1 drop column First_name;

