Ex.No.: 2 **DATA MANIPULATIONS**

Date: 08/08/2024

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

Employee_id, First_Name, Salary from EMPLOYEES;

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;

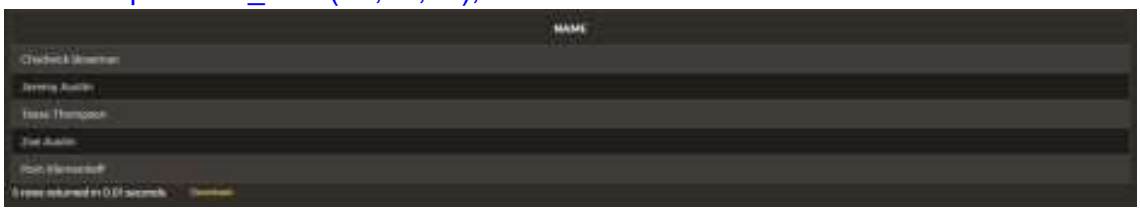
d) List out the employees whose last name is AUSTIN

select First_Name || ' ' || Last_Name as 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 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 ,
```

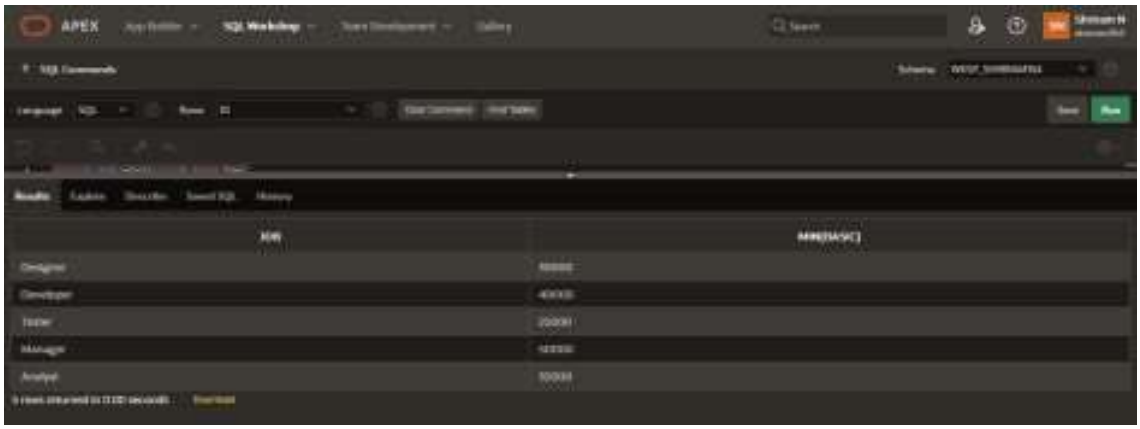
```
102, 'Jane Smith', 'Developer', 40000, 12000,
16000, 4800,0,0 , 103, 'Alice Johnson', 'Analyst',
35000, 10500, 14000, 4200,0,0 , 104, 'Bob
Brown', 'Designer', 30000, 9000, 12000,
3600,0,0 ,
105, 'Charlie Davis', 'Tester', 25000, 7500, 10000, 3000,0,0
```

)

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



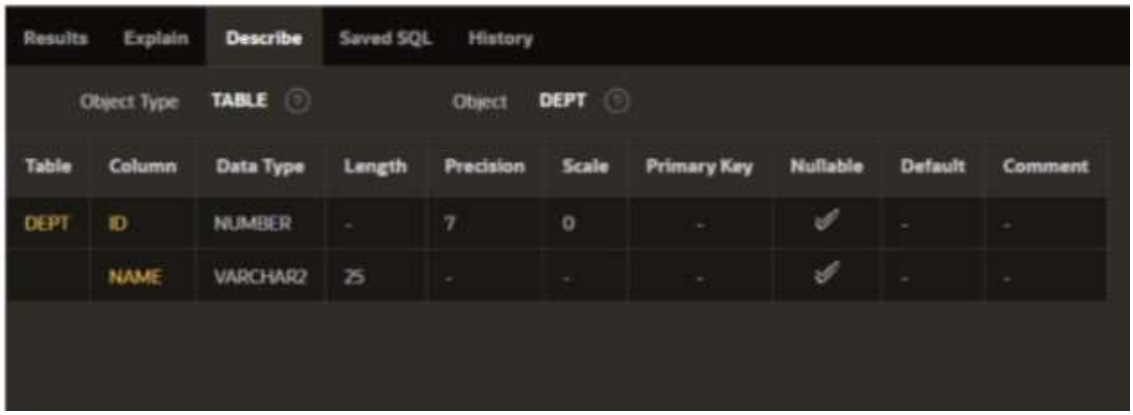
by Job;

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

Create table DEPT(

ID Number(7),
Name varchar(25)
);

Desc DEPT;



Results | Explain | Describe | Saved SQL | History

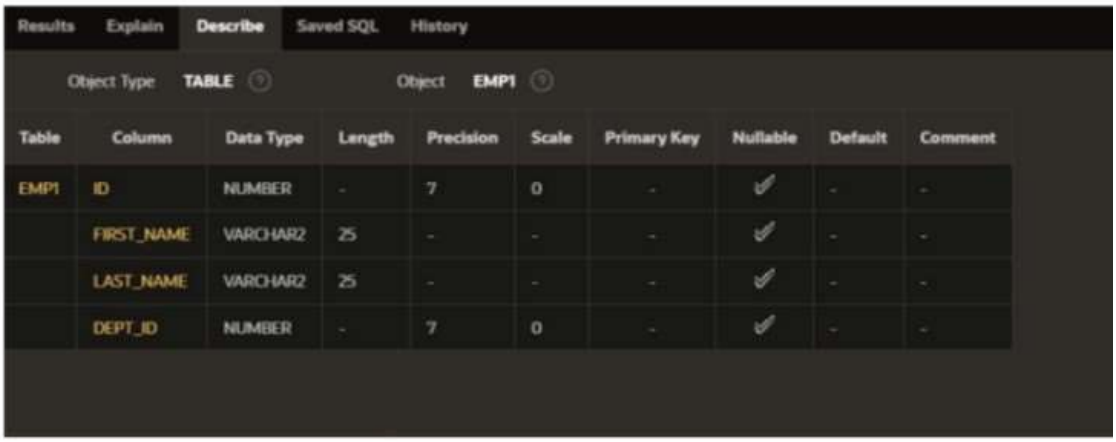
Object Type TABLE Object DEPT

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPT	ID	NUMBER	-	7	0	-	✓	-	-
	NAME	VARCHAR2	25	-	-	-	✓	-	-

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

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

Desc EMP1;



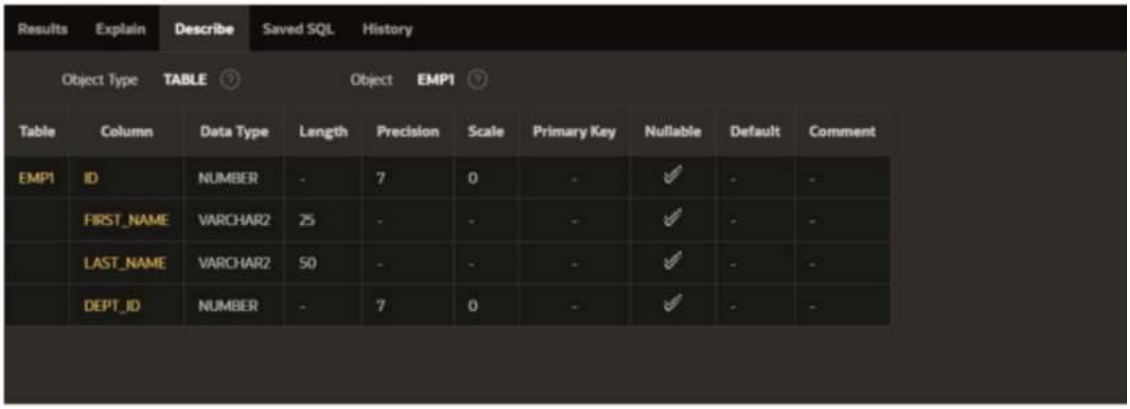
Results | Explain | Describe | Saved SQL | History

Object Type TABLE Object EMP1

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMP1	ID	NUMBER	-	7	0	-	✓	-	-
	FIRST_NAME	VARCHAR2	25	-	-	-	✓	-	-
	LAST_NAME	VARCHAR2	25	-	-	-	✓	-	-
	DEPT_ID	NUMBER	-	7	0	-	✓	-	-

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

```
ALTERTABLE 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.

```
ALTERTABLEEMPLOYEES2 RENAME TO EMP1;
```

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

```
comment on TABLEDEPT IS 'this table contains the fields ID and NAME..';
```

```
SELECT TABLE_NAME, COMMENTS
FROM USER_TAB_COMMENTS
WHERETABLE_NAME = 'DEPT';
```


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

```
SELECT TABLE_NAME, COMMENTS
FROMUSER_TAB_COMMENTS
WHERETABLE_NAME = 'EMP1';
```

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

```
ALTERTABLE EMP1
drop column First_name;
```