

18CSC303J-Database Management System

Experiment-3

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1.Create the table employee.

SQL QUERY:

```
create table EMP041(EmpNo number(4), "Emp Name" varchar2(25), Dept  
number(3), Sal number(4), Manager number(4), Job varchar2(15));
```

Table created.

2.Get the description of EMP table.

SQL QUERY:

```
desc EMP041;
```

TABLE EMP041

Column	Null?	Type
EMPNO	—	NUMBER(4,0)
Emp Name	—	VARCHAR2(25)
DEPT	—	NUMBER(3,0)
SAL	—	NUMBER(4,0)
MANAGER	—	NUMBER(4,0)
JOB	—	VARCHAR2(15)

3.List all employee details.

SQL QUERY:

INSERT INTO EMP041

VALUES

(7369, 'Ayush Vaishnav', 10, 8000, 7521, 'Founder');

INSERT INTO EMP041

VALUES

(7521, 'Din DJarin', 20, 7000, 7934, 'CoFounder');

INSERT INTO EMP041

VALUES

(7934, 'Grogue', 40, 6000, 7902, 'Chief Advisor');

INSERT INTO EMP041

VALUES

(7902, 'Boba Fett', 60, 2000, 7040, 'Secretary');

INSERT INTO EMP041

VALUES

(7040, 'Thron', 70, 1600, 7566, 'CMO');

INSERT INTO EMP041

VALUES

(7566, 'Janga Fett', 80, 950, 7839, 'Trainee');

INSERT INTO EMP041

VALUES

(7839, 'Cara Dune', 80, 950, 7789, 'Chief Of Staff');

INSERT INTO EMP041

VALUES

(7789, 'ANakin', 90, 2800, 7369, 'Janitor');

select * from EMP041;

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7369	Ayush Vaishnav	10	8000	7521	Founder
7521	Din DJarin	20	7000	7934	CoFounder
7934	Grogu	40	6000	7902	Chief Advisor
7902	Boba Fett	60	2000	7040	Secretary
7040	Thron	70	1600	7566	CMO
7566	Janga Fett	80	950	7839	Trainee
7839	Cara Dune	80	950	7789	Chief Of Staff
7789	ANakin	90	2800	7369	Janitor

4. List the records in the emp table order by salary in ascending order.

SQL QUERY:

select * from EMP041 ORDER BY Sal;

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7839	Cara Dune	80	950	7789	Chief Of Staff
7566	Janga Fett	80	950	7839	Trainee
7040	Thron	70	1600	7566	CMO
7902	Boba Fett	60	2000	7040	Secretary
7789	ANakin	90	2800	7369	Janitor
7934	Grogu	40	6000	7902	Chief Advisor
7521	Din DJarin	20	7000	7934	CoFounder
7369	Ayush Vaishnav	10	8000	7521	Founder

5. List the records in the emp table order by salary in descending order.

SQL QUERY:

select * from EMP041 ORDER BY Sal desc;

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7369	Ayush Vaishnav	10	8000	7521	Founder
7521	Din DJarin	20	7000	7934	CoFounder
7934	Grogu	40	6000	7902	Chief Advisor
7789	ANakin	90	2800	7369	Janitor
7902	Boba Fett	60	2000	7040	Secretary
7040	Thron	70	1600	7566	CMO
7566	Janga Fett	80	950	7839	Trainee
7839	Cara Dune	80	950	7789	Chief Of Staff

6.List all employee names and their salaries, whose salary lies between 1500/- and 3500/- both inclusive.

SQL QUERY:

select * from EMP041 WHERE Sal BETWEEN 1500 AND 3500;

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7902	Boba Fett	60	2000	7040	Secretary
7040	Thron	70	1600	7566	CMO
7789	ANakin	90	2800	7369	Janitor

7.List all employee names and their and their manager whose manager is 7902 or 7566 Or 7789.

SQL QUERY:

select * from EMP041 WHERE Manager in (7902,7566,7789);

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7934	Grogu	40	6000	7902	Chief Advisor
7040	Thron	70	1600	7566	CMO
7839	Cara dune	80	950	7789	Chief Of Staff

8. List all employees which starts with either J or T.

SQL QUERY:

```
select * from EMP041 WHERE "Emp Name" LIKE 'J%' OR "Emp Name" LIKE 'T%';
```

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7040	Thron	70	1600	7566	CMO
7566	Janga Fett	80	950	7839	Trainer

9. List all employee names and jobs, whose job title includes M or P.

SQL QUERY:

```
select * from EMP041 WHERE Job LIKE '%M%' OR Job LIKE '%P%';
```

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7040	Thron	70	1600	7566	CMO

10. List all jobs available in employee table.

SQL QUERY:

```
select DISTINCT(Job) from EMP041;
```

JOB
CoFounder
Chief Of Staff
Trainer
Janitor
Chief Advisor
CMO
Founder
Secretary

11.List all employees who belongs to the department 10 or 20.

SQL QUERY:

select * from EMP041 WHERE Dept in (10,20);

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7369	Ayush Vaishnav	10	8000	7521	Founder
7521	Din DJarin	20	7000	7934	CoFounder

12.Find how many job titles are available in the employee table.

SQL QUERY:

select COUNT(DISTINCT(Job)) from EMP041;

COUNT (DISTINCT (JOB))
8

13.Display deptno from the table employee avoiding the duplicated values.

SQL QUERY:

select DISTINCT(Dept) from EMP041;

DEPT
40
70
90
10
20
60
80

14.We want to find all employee whose name contains 'AN'.

SQL QUERY:

select "Emp Name" from EMP041 WHERE "Emp Name" LIKE '%AN%';

Emp Name
ANakin