18CSC303J – Database Management System
Experiment 3

Shushrut Kumar (RA1811028010049)

1] Create the table employee.

create table EMP49(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.

desc EMP49;

TABLE EMP49

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)

Download CSV
6 rows selected.

INSERT INTO EMP49
VALUES
(7369, 'Shushrut Kumar', 10, 8000, 7521, 'Founder');
INSERT INTO EMP49
VALUES
(7521, 'Viren Parmar', 20, 7000, 7934, 'CoFounder');
INSERT INTO EMP49

VALUES
(7934, 'Vidhi Rai', 40, 6000, 7902, 'Chief Advisor');
INSERT INTO EMP49
VALUES
(7902, 'Sachin Tilokani', 60, 2000, 7040, 'Secretary');
INSERT INTO EMP49
VALUES
(7040, 'Param Shah', 70, 1600, 7566, 'CMO');
INSERT INTO EMP49
VALUES
(7566, 'Annahita Patel', 80, 950, 7839, 'Trainee');
INSERT INTO EMP49
VALUES
(7839, 'Sakshee Bhavsar', 80, 950, 7789, 'Chief Of Staff');
INSERT INTO EMP49
VALUES
(7789, 'Anna Johnson', 90, 2800, 7369, 'Janitor');

3] List all employee details.

select * from EMP49;

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7934	Vidhi Rai	40	6000	7902	Chief Advisor
7040	Param Shah	70	1600	7566	CMO
7369	Shushrut Kumar	10	8000	7521	Founder
7566	Anahita Patel	80	950	7839	Trainee
7789	Anna Johnson	90	2800	7369	Janitor
7521	Viren Parmar	20	7000	7934	CoFounder
7902	Sachin Tilokani	60	2000	7040	Secretary
7839	Sakshee Bhavsar	80	950	7789	Chief Of Staff

Download CSV
8 rows selected.

4] List the records in the emp table orderby salary in ascending order.

select * from EMP49 ORDER BY Sal;

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7566	Anahita Patel	80	950	7839	Trainee
7839	Sakshee Bhavsar	80	950	7789	Chief Of Staff
7040	Param Shah	70	1600	7566	CMO
7902	Sachin Tilokani	60	2000	7040	Secretary
7789	Anna Johnson	90	2800	7369	Janitor
7934	Vidhi Rai	40	6000	7902	Chief Advisor
7521	Viren Parmar	20	7000	7934	CoFounder
7369	Shushrut Kumar	10	8000	7521	Founder

Download CSV
8 rows selected.

5] List the records in the emp table orderby salary in descending order.

select * from EMP49 ORDER BY Sal desc;

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7369	Shushrut Kumar	10	8000	7521	Founder
7521	Viren Parmar	20	7000	7934	CoFounder
7934	Vidhi Rai	40	6000	7902	Chief Advisor
7789	Anna Johnson	90	2800	7369	Janitor
7902	Sachin Tilokani	60	2000	7040	Secretary
7040	Param Shah	70	1600	7566	CMO
7839	Sakshee Bhavsar	80	950	7789	Chief Of Staff
7566	Anahita Patel	80	950	7839	Trainee

Download CSV
8 rows selected.

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

select * from EMP49 WHERE Sal BETWEEN 1500 AND 2500;

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7040	Param Shah	70	1600	7566	CMO
7902	Sachin Tilokani	60	2000	7040	Secretary

Download CSV
2 rows selected.

7] List all employee names whose manager id is 7902 or 7566 0r 7789.

select * from EMP49 WHERE Manager in (7902,7566,7789);

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7934	Vidhi Rai	40	6000	7902	Chief Advisor
7040	Param Shah	70	1600	7566	CMO
7839	Sakshee Bhavsar	80	950	7789	Chief Of Staff

Download CSV
3 rows selected.

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

select * from EMP49 WHERE "Emp Name" LIKE 'J%' OR "Emp Name" LIKE 'T%';

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7666	JAKIN PATEL	80	950	7839	Trainee
8666	TANMAY SHAH	80	950	7839	Trainee

Download CSV
2 rows selected.

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

select * from EMP49 WHERE Job LIKE '%M%' OR Job LIKE '%P%';

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

Download CSV

10] List all jobs available in the employee table.

select DISTINCT(Job) from EMP49;

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

Download CSV
8 rows selected.

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

select * from EMP49 WHERE Dept in (10,20);

EMPNO	Emp Name	DEPT	SAL	MANAGER	JOB
7369	Shushrut Kumar	10	8000	7521	Founder
7521	Viren Parmar	20	7000	7934	CoFounder

Download CSV
2 rows selected.

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

select COUNT(DISTINCT(Job)) from EMP49;

COUNT(DISTINCT(JOB))
8

Download CSV

13] Display deptno from the table employee avoiding the duplicate values.

select DISTINCT(Dept) from EMP49;

DEPT
40
70
90
10
20
60
80

Download CSV
7 rows selected.

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

select "Emp Name" from EMP49 WHERE "Emp Name" LIKE '%AN%';

Emp Name
ANNA JR
ANNAHITA PATEL
TANMAY SHAH

Download CSV
3 rows selected.