18CSC303J – Database Management System **Experiment 3**

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	2	VARCHAR2(25)
DEPT	-	NUMBER(3,0)
SAL	-	NUMBER(4,0)
MANAGER	-	NUMBER(4,0)
JOB	-	VARCHAR2(15)

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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

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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

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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

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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	ЈОВ
7040	Param Shah	70	1600	7566	CMO
7902	Sachin Tilokani	60	2000	7040	Secretary

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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	ЗОВ
7934	Vidhi Rai	40	6000	7902	Chief Advisor
7040	Param Shah	70	1600	7566	CMO
7839	Sakshee Bhavsar	80	950	7789	Chief Of Staff

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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	ЈОВ
7666	JAKIN PATEL	80	950	7839	Trainee
8666	TANMAY SHAH	80	950	7839	Trainee

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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	ЈОВ
7040	Param Shah	70	1600	7566	СМО

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10] List all jobs available in the employee table.

select DISTINCT(Job) from EMP49;

3	JOB
CoFour	der
Chief	Of Staff
Janito	r
Chief	Advisor
CMO	
Traine	e
Founde	er
Secret	ary

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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	ЈОВ
7369	Shushrut Kumar	10	8000	7521	Founder
7521	Viren Parmar	20	7000	7934	CoFounder

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2 rows selected.

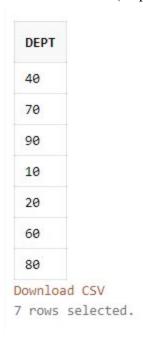
12] Find how many job titles are available in the employee table.

select COUNT(DISTINCT(Job)) from EMP49;



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

select DISTINCT(Dept) from EMP49;



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

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

