

18CSC303J – Database Management System

Experiment 2

Shushrut Kumar (RA1811028010049)

1. Create a table employee and list the names of analyst and salesman.

```
create table EMP49 ("Emp_No" number(6), "Ename" varchar2(20), "DOJ" date, "Dept"
varchar2(10), "Dept_No" number(2), "Designation" varchar2(20), "Commision" varchar2(20),
"Sal" number(7)) ;
```

```
desc EMP49
```

Column	Null?	Type
Emp_No	-	NUMBER(6,0)
Ename	-	VARCHAR2(20)
DOJ	-	DATE
Dept	-	VARCHAR2(10)
Dept_No	-	NUMBER(2,0)
Designation	-	VARCHAR2(20)
Commision	-	VARCHAR2(20)
Sal	-	NUMBER(7,0)

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2. List the details of employees who joined on. 30 sep 81.(Select * from table tablename where date = ‘)

```
INSERT INTO EMP49 ("Emp_No", "Ename" , "DOJ" , "Dept" , "Dept_No", "Designation" ,
"Commision" , "Sal")
```

```
WITH input AS (
```

```
SELECT 7369, 'Shushrut' , DATE '1981-09-30' , 'Sales', 10 , 'Salesman' , 'TRUE' , 950
```

```
FROM dual UNION ALL
```

```
SELECT 7839, 'Viren' , DATE '1985-09-20' , 'Sales', 30 , 'Salesman' , 'TRUE' , 900 FROM
dual UNION ALL
```

```
SELECT 7521, 'Vidhi', DATE '1983-10-30', 'IT' , 20 , 'Analyst', 'FALSE' , 1000 FROM
dual UNION ALL
```

```
SELECT 7934, 'Sachin' , DATE '1989-05-15', 'None' , 40 , 'Manager', 'FALSE' , 1100
FROM dual UNION ALL
```

```
SELECT 7788, 'Param', DATE '1990-01-30', 'IT' , 50 , 'Analyst', 'TRUE' , 1150 FROM
dual
```

```
) SELECT * FROM input ;
```

```
SELECT * FROM EMP49;
```

5 row(s) inserted.

Emp_No	Ename	DOJ	Dept	Dept_No	Designation	Commision	Sal
7369	Shushrut	30-SEP-81	Sales	10	Salesman	TRUE	950
7839	Viren	20-SEP-85	Sales	30	Salesman	TRUE	900
7521	Vidhi	30-OCT-83	IT	20	Analyst	FALSE	1000
7934	Sachin	15-MAY-89	None	40	Manager	FALSE	1100
7788	Param	30-JAN-90	IT	50	Analyst	TRUE	1150

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5 rows selected.

3. List the name of the employees who are not managers.

```
SELECT "Ename" FROM EMP49 WHERE "Designation" != 'Manager';
```

Ename
Shushrut
Viren
Vidhi
Param

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4 rows selected.

- 4. List the name of the employees whose employee numbers are 7369,7521,7839,7934,7788**

```
SELECT "Ename" FROM EMP49 WHERE "Emp_No" IN (7369,7521,7839,7934,7788);
```

Ename
Shushrut
Viren
Vidhi
Sachin
Param

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5 rows selected.

- 5. List employees not belonging to dept 30,40 or 10**

```
SELECT "Ename" FROM EMP49 WHERE "Dept_No" NOT IN (30, 40, 10);
```

Ename
Vidhi
Param

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2 rows selected.

6. List the different designation in the company.

```
SELECT "Ename" FROM EMP49 WHERE "Designation" IN ('Salesman','Analyst');
```

Ename
Shushrut
Viren
Vidhi
Param

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4 rows selected.

7. List the names of the employees who are not eligible for commission.

```
SELECT "Ename" FROM EMP49 WHERE "Commision" = 'FALSE';
```

Ename
Vidhi
Sachin

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2 rows selected.

8. List the employee not assigned to any department.

```
SELECT "Ename" FROM EMP49 WHERE "Dept" = 'None';
```

Ename
Sachin

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9. List the employee who are eligible for commision.

```
SELECT "Ename" FROM EMP49 WHERE "Commision" = 'TRUE';
```

Ename
Shushrut
Viren
Param

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3 rows selected.

10. List the no of employee working with the company.

```
SELECT COUNT("Ename") FROM EMP49;
```

COUNT("ENAME")
5

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11. Add a column experience to the emp table .

```
ALTER TABLE EMP49 ADD ("Experience" number(2));  
desc EMP49
```

Column	Null?	Type
Emp_No	-	NUMBER(6,0)
Ename	-	VARCHAR2(20)
DOJ	-	DATE
Dept	-	VARCHAR2(10)
Dept_No	-	NUMBER(2,0)
Designation	-	VARCHAR2(20)
Commision	-	VARCHAR2(20)
Sal	-	NUMBER(7,0)
Experience	-	NUMBER(2,0)

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9 rows selected.

12. drop a column experience to the emp table

```
ALTER TABLE EMP49 DROP COLUMN "Experience";  
desc EMP49
```

Column	Null?	Type
Emp_No	-	NUMBER(6,0)
Ename	-	VARCHAR2(20)
DOJ	-	DATE
Dept	-	VARCHAR2(10)
Dept_No	-	NUMBER(2,0)
Designation	-	VARCHAR2(20)
Commision	-	VARCHAR2(20)
Sal	-	NUMBER(7,0)

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8 rows selected.

13. Update the dept no to 1 whose salary is equal to 950.

```
UPDATE EMP49 SET "Dept_No" = 1 WHERE "Sal" = 950;  
select * from EMP49;
```

1 row(s) updated.

Emp_No	Ename	DOJ	Dept	Dept_No	Designation	Commision	Sal
7369	Shushrut	30-SEP-81	Sales	1	Salesman	TRUE	950
7839	Viren	20-SEP-85	Sales	30	Salesman	TRUE	900
7521	Vidhi	30-OCT-83	IT	20	Analyst	FALSE	1000
7934	Sachin	15-MAY-89	None	40	Manager	FALSE	1100
7788	Param	30-JAN-90	IT	50	Analyst	TRUE	1150

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5 rows selected.

14. Truncate the emp table and drop the dept table

truncate table EMP49

drop table EMP49;

Table truncated.

Table dropped.