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DBMS LAB

### **Question 2:**

**Create a department table with the following structure:**

| **Name** | **Type** |
| --- | --- |
| Deptno | Number |
| Deptname | Varchar2(20) |
| Location | Varchar2(20) |

a. Add a column designation to the department table.  
b. Insert values into the table.  
c. List the records of emp table grouped by deptno.  
d. Update the record where deptno is 9.  
e. Delete any column data from the table.

## SQL Code:

-- a. Create the department table with the structure provided

CREATE TABLE Department (

deptno NUMBER,

deptname VARCHAR2(20),

location VARCHAR2(20)

);

-- b. Add a column 'designation' to the department table

ALTER TABLE Department

ADD designation VARCHAR2(20);

-- c. Insert values into the Department table

INSERT INTO Department (deptno, deptname, location, designation) VALUES (1, 'HR', 'New York', 'Manager');

INSERT INTO Department (deptno, deptname, location, designation) VALUES (2, 'Finance', 'London', 'Analyst');

INSERT INTO Department (deptno, deptname, location, designation) VALUES (3, 'Marketing', 'Berlin', 'Executive');

INSERT INTO Department (deptno, deptname, location, designation) VALUES (4, 'IT', 'San Francisco', 'Technician');

INSERT INTO Department (deptno, deptname, location, designation) VALUES (9, 'Sales', 'Tokyo', 'Salesperson');

-- d. Update the record where deptno is 9

UPDATE Department

SET location = 'Osaka'

WHERE deptno = 9;

-- e. Delete any column data from the table (Example: Remove designation from deptno 4)

UPDATE Department

SET designation = NULL

WHERE deptno = 4;

SELECT \* FROM Department

## Output:

