**Create department table with the following structure.**

|  |  |
| --- | --- |
| NAME | TYPE |
| depno | number |
| depname | varchar |
| location | varchar |

**a) Add column designation to the department table.**

SQL> CREATE TABLE DEPARTMENT(DEPNO NUMBER(10) PRIMARY KEY,DEPTNAME VARCHAR(20),LOCATION VARCHAR(20));

Table created.

SQL> ALTER TABLE DEPARTMENT ADD(DESIGNATION VARCHAR(20));

Table altered.

**b) Insert values into the table**

SQL> INSERT INTO DEPARTMENT VALUES(&DEPTNO,'&DEPTNAME','&LOCATION','&DESIGNATION');

Enter value for deptno: 2

Enter value for deptname: MCA

Enter value for location: KTM

Enter value for designation: faculty

old 1: INSERT INTO DEPARTMENT VALUES(&DEPTNO,'&DEPTNAME','&LOCATION','&DESIGNATION')

new 1: INSERT INTO DEPARTMENT VALUES(2,'MCA','KTM','faculty')

1 row created.

SQL> SELECT \* FROM DEPARTMENT;

DEPNO DEPTNAME LOCATION DESIGNATION

---------- -------------------- -------------------- --------------------

2 MCA KTM faculty

**c) List the records of department table grouped by deptno.**

SQL> SELECT DEPNO,DEPTNAME FROM DEPARTMENT GROUP BY DEPNO,DEPTNAME;

DEPNO DEPTNAME

---------- --------------------

2 MCA

9 BCA

**d) Update the record where deptno is 9.**

SQL> UPDATE DEPARTMENT SET DEPTNAME='BCA' WHERE DEPNO=9;

1 row updated.

SQL> SELECT \* FROM DEPARTMENT;

DEPNO DEPTNAME LOCATION DESIGNATION

---------- -------------------- -------------------- --------------------

2 MCA KTM faculty

9 BCA KTM faculty

**e) Delete any column data from the table.**

SQL> ALTER TABLE DEPARTMENT DROP(DESIGNATION);

Table altered.

SQL> SELECT \* FROM DEPARTMENT;

DEPNO DEPTNAME LOCATION

---------- -------------------- --------------------

2 MCA KTM

9 BCA KTM