**1.Create a table called EMP with following structure.**

|  |  |
| --- | --- |
| NAME | TYPE |
| EMPNO | NUMBER |
| ENMAE | VARCHAR2(20) |
| JOB | VARCHAR2(20) |
| SAL | VARCHAR2(20) |

SQL> CREATE TABLE EMPLOYEE(EMPNO NUMBER(10) PRIMARY KEY,ENAME VARCHAR2(20),JOB VARCHAR2(20),SAL NUMBER(10));

Table created.

SQL> DESC EMPLOYEE;

Name Null? Type

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

EMPNO NOT NULL NUMBER(10)

ENAME VARCHAR2(20)

JOB VARCHAR2(20)

SAL NUMBER(10)

**A.Add a column COMMISSION with domain to the EMP table.**

SQL> ALTER TABLE EMPLOYEE ADD(COMMISSION NUMBER(10));

Table altered.

SQL> DESC EMPLOYEE;

Name Null? Type

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

EMPNO NOT NULL NUMBER(10)

ENAME VARCHAR2(20)

JOB VARCHAR2(20)

SAL NUMBER(10)

COMMISSION NUMBER(10)

**B.Insert into 5 records into the table.**

SQL> INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMMISSION);

Enter value for empno: 1

Enter value for ename: SANDRA

Enter value for job: CEO

Enter value for sal: 50000

Enter value for commission: 23

old 1: INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMMISSION)

new 1: INSERT INTO EMPLOYEE VALUES(1,'SANDRA','CEO',50000,23)

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMMISSION);

Enter value for empno: 2

Enter value for ename: AMMU

Enter value for job: MANAGER

Enter value for sal: 20000

Enter value for commission: 23

old 1: INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMMISSION)

new 1: INSERT INTO EMPLOYEE VALUES(2,'AMMU','MANAGER',20000,23)

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMMISSION);

Enter value for empno: 3

Enter value for ename: MENNU

Enter value for job: CLERK

Enter value for sal: 5000

Enter value for commission: 2

old 1: INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMMISSION)

new 1: INSERT INTO EMPLOYEE VALUES(3,'MENNU','CLERK',5000,2

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMMISSION);

Enter value for empno: 4

Enter value for ename: LAKSHMI

Enter value for job: TEACHER

Enter value for sal: 15000

Enter value for commission: 3

old 1: INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMMISSION)

new 1: INSERT INTO EMPLOYEE VALUES(4,'LAKSHMI','TEACHER',15000,3)

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMMISSION);

Enter value for empno: 5

Enter value for ename: ANANDHU

Enter value for job: MANAGER

Enter value for sal: 25000

Enter value for commission: 2

old 1: INSERT INTO EMPLOYEE VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMMISSION)

new 1: INSERT INTO EMPLOYEE VALUES(5,'ANANDHU','MANAGER',25000,2)

1 row created.

SQL> SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SAL COMMISSION

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

1 SANDRA CEO 50000 23

2 AMMU MANAGER 20000 23

3 MENNU CLERK 5000 2

4 LAKSHMI TEACHER 15000 3

5 ANANDHU MANAGER 25000 2

**C.Update the column details of JOB.**

SQL> UPDATE EMPLOYEE SET JOB='TRAINEE' WHERE EMPNO=3;

1 row updated.

SQL> SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SAL COMMISSION

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

1 SANDRA CEO 50000 23

2 AMMU MANAGER 20000 23

3 MENNU TRAINEE 5000 2

4 LAKSHMI TEACHER 15000 3

5 ANANDHU MANAGER 25000 2

**D.Rename the column of EMP table using alter command.**

SQL> ALTER TABLE EMPLOYEE RENAME COLUMN SAL TO SALARY;

Table altered.

SQL> SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SALARY COMMISSION

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

1 SANDRA CEO 50000 23

2 AMMU MANAGER 20000 23

3 MENNU TRAINEE 5000 2

4 LAKSHMI TEACHER 15000 3

5 ANANDHU MANAGER 25000 2

**E.Delete the EMP table whose EMPNO is 3.**

SQL> DELETE EMPLOYEE WHERE EMPNO=3;

1 row deleted.

SQL> SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SALARY COMMISSION

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

1 SANDRA CEO 50000 23

2 AMMU MANAGER 20000 23

4 LAKSHMI TEACHER 15000 3

5 ANANDHU MANAGER 25000 2