**1.Create the table called customer table with the following attributes given below**

|  |  |
| --- | --- |
| **NAME** | **TYPE** |
| CUST\_NAME | VARCHAR(20) |
| CUST\_STREET | VARCHAR(20) |
| CUST\_CITY | VARCHAR(20) |

1. **Create the above table**

SQL> CREATE TABLE CUSTOMER(CUST\_NAME VARCHAR(20),CUST\_STREET VARCHAR(20),CUST\_CITY VARCHAR(20));

Table created.

SQL> DESC CUSTOMER

Name Null? Type

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

CUST\_NAME VARCHAR2(20)

CUST\_STREET VARCHAR2(20)

CUST\_CITY VARCHAR2(20)

1. **Insert records in to the table**

SQL> INSERT INTO CUSTOMER VALUES('&CUST\_NAME','&CUST\_STREET','&CUST\_CITY');

Enter value for cust\_name: AJO JOJO

Enter value for cust\_street: PALLIKATHODE

Enter value for cust\_city: KOTTAYAM

old 1: INSERT INTO CUSTOMER VALUES('&CUST\_NAME','&CUST\_STREET','&CUST\_CITY')

new 1: INSERT INTO CUSTOMER VALUES('AJO JOJO','PALLIKATHODE','KOTTAYAM')

1 row created.

SQL> /

Enter value for cust\_name: AKSHAY UNNI

Enter value for cust\_street: ANCHAL

Enter value for cust\_city: KOLLAM

old 1: INSERT INTO CUSTOMER VALUES('&CUST\_NAME','&CUST\_STREET','&CUST\_CITY')

new 1: INSERT INTO CUSTOMER VALUES('AKSHAY UNNI','ANCHAL','KOLLAM')

1 row created.

SQL> /

Enter value for cust\_name: AJAY TM

Enter value for cust\_street: PLACHIMADA

Enter value for cust\_city: THRISSUR

old 1: INSERT INTO CUSTOMER VALUES('&CUST\_NAME','&CUST\_STREET','&CUST\_CITY')

new 1: INSERT INTO CUSTOMER VALUES('AJAY TM','PLACHIMADA','THRISSUR')

1 row created.

**c) Add salary column to the table**

SQL> ALTER TABLE CUSTOMER ADD(SALARY NUMBER);

Table altered.

**d) Alter the table column domain**

ALTER TABLE CUSTOMER

MODIFY SALARY VARCHAR(20);

Table altered.

**e) Drop salary column of the customer table**

ALTER TABLE CUSTOMER DROP COLUMN SALARY;

Table altered.

**f) Delete the rows of customer table whose cust\_city is ‘hyd’.**

DELETE CUSTOMER WHERE CUST\_CITY='KOTTAYAM';

1 row deleted.

**2.Create a table called Employee with the following structure.**

|  |  |
| --- | --- |
| **Name** | **Type** |
| Empno | Number |
| Ename | Varchar(20) |
| Job | Varchar(20) |
| mgr | Varchar(20) |
| sal | Varchar(20) |

**a) Create the above table**

SQL> CREATE TABLE EMPLOYEE(Empno Number(10) PRIMARY KEY,Ename VARCHAR(20),Job VARCHAR(20),Mgr Number(20),Sal Number(30));

Table created.

**b) Add a column commission with domain to the employee table.**

SQL> ALTER TABLE EMPLOYEE ADD(COMMISSION NUMBER);

Table altered.

**c) Insert any 5 records in to the table**

SQL> INSERT INTO EMPLOYEE VALUES(&Empno,'&Ename','&Job','&Mgr',&Sal,&Commission);

Enter value for empno: 1

Enter value for ename: AKASH

Enter value for job: TESTER

Enter value for mgr: 23

Enter value for sal: 30000

Enter value for commission: 600

old 1: INSERT INTO EMPLOYEE VALUES(&Empno,'&Ename','&Job','&Mgr',&Sal,&Commission)

new 1: INSERT INTO EMPLOYEE VALUES(1,'AKASH','TESTER','23',30000,600)

1 row created.

SQL> /

Enter value for empno: 2

Enter value for ename: AKSHAY

Enter value for job: FRONT END

Enter value for mgr: 4

Enter value for sal: 25000

Enter value for commission: 3000

old 1: INSERT INTO EMPLOYEE VALUES(&Empno,'&Ename','&Job','&Mgr',&Sal,&Commission)

new 1: INSERT INTO EMPLOYEE VALUES(2,'AKSHAY','FRONT END','4',25000,3000)

1 row created.

SQL> /

Enter value for empno: 3

Enter value for ename: AJAY

Enter value for job: DEVELOPER

Enter value for mgr: 9

Enter value for sal: 80000

Enter value for commission: 2000

old 1: INSERT INTO EMPLOYEE VALUES(&Empno,'&Ename','&Job','&Mgr',&Sal,&Commission)

new 1: INSERT INTO EMPLOYEE VALUES(3,'AJAY','DEVELOPER','9',80000,2000)

1 row created.

SQL> /

Enter value for empno: 4

Enter value for ename: AJO

Enter value for job: DEVELOPER

Enter value for mgr: 8

Enter value for sal: 85000

Enter value for commission: 1000

old 1: INSERT INTO EMPLOYEE VALUES(&Empno,'&Ename','&Job','&Mgr',&Sal,&Commission)

new 1: INSERT INTO EMPLOYEE VALUES(4,'AJO','DEVELOPER','8',85000,1000)

1 row created.

SQL> /

Enter value for empno: 5

Enter value for ename: ANJALI

Enter value for job: FRONT END

Enter value for mgr: 10

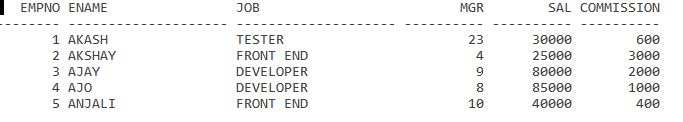
Enter value for sal: 40000

Enter value for commission: 400

old 1: INSERT INTO EMPLOYEE VALUES(&Empno,'&Ename','&Job','&Mgr',&Sal,&Commission)

new 1: INSERT INTO EMPLOYEE VALUES(5,'ANJALI','FRONT END','10',40000,400)

1 row created.



**c) Update the column details of job**

SQL> UPDATE EMPLOYEE SET JOB='TRAINEE' WHERE EMPNO=1;

1 row updated.

**d) Rename the column of employee table using Alter command.**

SQL> ALTER TABLE EMPLOYEE RENAME COLUMN MGR TO MANAGER\_NO;

Table altered.

**e) Delete the Employees whose empno is 5.**

SQL> DELETE EMPLOYEE WHERE EMPNO=5;

1 row deleted.

**3.Create an employee table ‘EMP’ with the following fields:**

|  |  |
| --- | --- |
| **Name** | **Type** |
| Empno | Number(4) |
| Ename | Varchar(25) |
| Job | Varchar(25) |
| Salary | Number(10) |
| Commission | Number(10) |
| Deptno | Number(10) |

CREATE TABLE EMP(EMP NUMBER(4) PRIMARY KEY,ENAME VARCHAR(25),JOB VARCHAR(10),SALARY NUMBER(10),COMMISSION NUMBER(10),DEPT NUMBER(10));

Table created.

**a) Display the structure of ‘EMP’**

DESC EMP

Name Null? Type

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

EMPNO NOT NULL NUMBER(4)

ENAME VARCHAR2(25)

JOB VARCHAR2(10)

SALARY NUMBER(10)

COMMISSION NUMBER(10)

DEPTNO NUMBER(10)

1. **Insert the following record into EMP**

Empno Ename Job Salary Commission Deptno

736 Smith Clerk 20000 800 20

INSERT INTO EMP VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMM,&DEPTNO);

Enter value for emp: 736

Enter value for ename: SMITH

Enter value for job: CLERK

Enter value for sal: 20000

Enter value for comm: 800

Enter value for deptno: 20

old 1: INSERT INTO EMP VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMM,&DEPTNO)

new 1: INSERT INTO EMP VALUES(736,'SMITH','CLERK',20000,800,20)

INSERT INTO EMP VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMM,&DEPTNO);

Enter value for empno: 230

Enter value for ename: ARCHA

Enter value for job: MANAGER

Enter value for sal: 100000

Enter value for comm: 15000

Enter value for deptno: 12

old 1: INSERT INTO EMP VALUES(&EMPNO,'&ENAME','&JOB',&SAL,&COMM,&DEPTNO)

new 1: INSERT INTO EMP VALUES(230,'ARCHA','MANAGER',100000,15000,12)

1. row created.
2. **Display all the records**

SELECT \*FROM EMP;

EMP ENAME JOB SALARY COMMISSION DEPT

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

736 SMITH CLERK 20000 800 20

230 ARCHA MANAGER 100000 15000 12

1. **Insert job as ‘Asmg’ for all ‘Manager’ job types**

UPDATE EMP SET JOB = 'ASMG' WHERE JOB='MANAGER';

1 row updated.

1. **Add a new field ‘Doj’ with the following values and insert the date**

UPDATE EMP SET Doj='17-DEC-80';

rows updated.

SELECT \*FROM EMP;

EMP ENAME JOB SALARY COMMISSIONDEPT DOJ

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

736 SMITH CLERK 20000 800 20 17-DEC-80

230 ARCHA ASMG 100000 15000 12 17-DEC-80