**SQL**

1. Create table called Employee with the following structure.

|  |  |
| --- | --- |
| **NAME** | **TYPE** |
| empno | number |
| ename | Varchar(20) |
| job | Varchar(20) |
| sal | number |

a) Add a column age with domain to the employee table.

b) Insert any five records into the table.

c) Update the column details of job.

d) Rename the column employee table using alter command.

e) Delete the employee whose empno is 2.

**ANSWERS**

**Create Table Employee**

SQL> CREATE TABLE EMPLOYEE (empno number(10),ename varchar(20),job varchar(20),sal number(10));

**b) Insert values to the table**

SQL> INSERT INTO EMPLOYEE VALUES(&empno,'&ename','&job',&sal);

Enter value for empno: 1

Enter value for ename: Anna

Enter value for job: software engineer

Enter value for sal: 50000

old 1: INSERT INTO EMPLOYEE VALUES(&empno,'&ename','&job',&sal)

new 1: INSERT INTO EMPLOYEE VALUES(1,'Anna','software engineer',50000)

1 row created.

SQL> INSERT INTO EMPLOYEE VALUES(&empno,'&ename','&job',&sal);

Enter value for empno: 2

Enter value for ename: steve

Enter value for job: software engineer

Enter value for sal: 50000

old 1: INSERT INTO EMPLOYEE VALUES(&empno,'&ename','&job',&sal)

new 1: INSERT INTO EMPLOYEE VALUES(2,'steve','software engineer',50000)

1 row created.

**Display Table Employee**

SQL> SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SAL

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

1 Anna software engineer 50000

2 steve software engineer 50000

**a) Add column age**

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

Table altered.

SQL> SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SALARY AGE

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

1 Anna Teacher 50000

SQL> UPDATE EMPLOYEE SET age=20 WHERE empno=1;

1 row updated.

SQL> SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SALARY AGE

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

1 Anna Teacher 50000 20

**c) update job details**

SQL> UPDATE EMPLOYEE SET job='Teacher' WHERE empno=1;

1 row updated.

SQL> SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SAL

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

1 Anna Teacher 50000

2 steve software engineer 50000

**d) Rename column sal to salary**

SQL> ALTER TABLE EMPLOYEE RENAME COLUMN sal to salary;

Table altered.

SQL> SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SALARY

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

1 Anna Teacher 50000

2 steve software engineer 50000

**e) delete employee whose empno=2**

SQL> DELETE EMPLOYEE WHERE empno=2;

1 row deleted.

SQL> SELECT \* FROM EMPLOYEE;

EMPNO ENAME JOB SALARY

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

1 Anna Teacher 50000