Additional Program 2

Aim: To create a table called Employee with the following Structure and Answer the following queries.

Name	Type
Empno	Number
Ename	Varchar2(20)
Job	Varchar2(20)
Mgr	Number
Sal	Number

Sql>createtable Employee (Empnonumber,Ename varchar2(20),job varchar2(20), Mgrnumber,Sal number);
Or

Sql>createtable Employee (Empnonumber,Ename varchar2(20),job varchar2(20), Mgrnumber,Sal number); constraintpk_employeesprimarykey (empno), constraintfk_employees_deptnoforeignkey (deptno) references DEPARTMENTS (deptno));

Sql> Select * from Employee;

Output:

a. Add a column commission with domain to the Employee

table Sql> Altertable employee add commission number;

Output:

b. Insert any five records in to the table.

Sql> INSERT INTO Employee VALUES (1, 'King', 'ITmanager', '100', '20000');

Sql> INSERT INTO Employee VALUES (5, 'blake', 'IT', '200', '30000');

Sql> INSERT INTO Employee VALUES (9, 'raj', 'manager', '300', '40000'); Sql>

INSERT INTO Employee VALUES (19, 'clarke', 'Assistant', '400', '50000'); Sql>

INSERT INTO Employee VALUES (25, 'mohan', 'clerk', '500', '60000'); Output:

c. Update the column details of job

Sql> UPDATE EMPLOYEE SET JOB = 'MANAGER'WHERE JOB IS NULL;

Output:

d.Rename the column of Employ table using alter command.

Sql>ALTER TABLE Employee RENAME COLUMN Ename TO Employname;

Output:

e. Delete the employee whose empno is19.

Sql>DELETEempno FROM Employee WHERE empno=19;

Output:

Create department table with the following structure and answer the following quries.

Name	Type
Deptno	Number
Deptname	Varchar2(20)
location	Varchar2(20)

Sql>CREATE TABLE dept (Deptnonumber,Deptnamevarchar2(20), location varchar2(20));**or**

create table dept(deptno number(2,0), dname varchar2(14), loc varchar2(13),

constraint pk_dept primary key (deptno));

Output:

a. Add column designation to the department table. Sql>Altertable det add designation varchar2(20); Output:

b. Insert values into the table.

Sql> insert into dept values(101, „cse‟, „ nellore‟, „assistant‟);

Sql> insert into dept values(102, „Ece‟, „ tpty‟, „assistant‟);

Sql> insert into dept values(103, „eee‟, „banglore‟, „HR‟);

Sql> insert into dept values(104, „civil‟, „Hyd‟, „manager‟);

Sql> insert into dept values(101, „cse‟, „ chittoor‟, „assistant‟); Output:

c. List the records of emp table grouped by dept no

Sql>SELECT empno from emp, dept , GROUP BY deptno;

Output:

d. Update the record where dept no is9.

Sql> Update table dept set deptno=9 where location= „tpty‟;

Output:

e. Delete any column data from the

table Sql>DELETE location FROM

dept; Output:

To create a table called Customer table and answer the following queries.

Name	Name Type
Custname	Varchar2(20)
custstreet	Varchar2(20)
custcity	Varchar2(20)

Sql>CREATE TABLE customer (custname varchar2(20), custstreetvarchar2(20), custcityvarchar2(20));

a. Insert records into the table

Sql> insert into customer values(„kumar‟, „4street‟, „hyd‟);

Sql> insert into customer values(„rmesh‟, „avanue‟, „hyd‟);

Sql> insert into customer values(„mahesh‟, „amerpet‟, „hyd‟);

Sql> insert into customer values(„vasu‟, „marthali‟,

„Banglore‟);

Sql> insert into customer values(„hari‟, „siliconcity‟, „Banglore‟);

Output:

b. Add salary column to the table

Sql> Update table customer add salary number;

Output:

c. Alter the table column domain.

Sql> Alter table customer set custname = „cname‟;

Output:

d. Drop salary column of the customer table. Sql> Alter table customer drop column salary; Output:

e. Delete the rows of customer table whose ust_city is „hyd‟. Sql>DELETEFROMcustomer WHERE custcity = „hyd‟; Output: