SQL> connect system

Enter password:

Connected.

SQL> create table department(dept\_id int,dept\_name varchar(20),dept\_city varchar(20));

Table created.

SQL> desc department

Name Null? Type

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

DEPT\_ID NUMBER(38)

DEPT\_NAME VARCHAR2(20)

DEPT\_CITY VARCHAR2(20)

SQL> alter table department add primary key(dept\_id);

Table altered.

SQL> desc department

Name Null? Type

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

DEPT\_ID NOT NULL NUMBER(38)

DEPT\_NAME VARCHAR2(20)

DEPT\_CITY VARCHAR2(20)

SQL> drop table employee;

Table dropped.

SQL> create table employee(emp\_id int,emp\_name varchar(20),dept\_id int,salary int);

Table created.

SQL> desc employee;

Name Null? Type

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

EMP\_ID NUMBER(38)

EMP\_NAME VARCHAR2(20)

DEPT\_ID NUMBER(38)

SALARY NUMBER(38)

SQL> alter table employee add primary key(emp\_id);

Table altered.

SQL> alter table employee add foreign key(dept\_id) references department(dept\_id);

Table altered.

SQL> desc employee;

Name Null? Type

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

EMP\_ID NOT NULL NUMBER(38)

EMP\_NAME VARCHAR2(20)

DEPT\_ID NUMBER(38)

SALARY NUMBER(38)

SQL> create table emp(emp\_id int primary key,emp\_name varchar(20),dept\_id int, foreign key(dept\_id) references department(dept\_id),salary int);

Table created.

SQL> desc emp;

Name Null? Type

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

EMP\_ID NOT NULL NUMBER(38)

EMP\_NAME VARCHAR2(20)

DEPT\_ID NUMBER(38)

SALARY NUMBER(38)

SQL> drop table emp;

Table dropped.

SQL> desc employee;

Name Null? Type

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

EMP\_ID NOT NULL NUMBER(38)

EMP\_NAME VARCHAR2(20)

DEPT\_ID NUMBER(38)

SALARY NUMBER(38)

SQL> insert into department values(&dept\_id,'&dept\_name','&dept\_city');

Enter value for dept\_id: 001

Enter value for dept\_name: MCA

Enter value for dept\_city: Kannur

old 1: insert into department values(&dept\_id,'&dept\_name','&dept\_city')

new 1: insert into department values(001,'MCA','Kannur')

1 row created.

SQL> /

Enter value for dept\_id: 002

Enter value for dept\_name: EEE

Enter value for dept\_city: Wayanad

old 1: insert into department values(&dept\_id,'&dept\_name','&dept\_city')

new 1: insert into department values(002,'EEE','Wayanad')

1 row created.

SQL> /

Enter value for dept\_id: 003

Enter value for dept\_name: Civil

Enter value for dept\_city: Kollam

old 1: insert into department values(&dept\_id,'&dept\_name','&dept\_city')

new 1: insert into department values(003,'Civil','Kollam')

1 row created.

SQL> /

Enter value for dept\_id: 004

Enter value for dept\_name: Mech

Enter value for dept\_city: Ernakulam

old 1: insert into department values(&dept\_id,'&dept\_name','&dept\_city')

new 1: insert into department values(004,'Mech','Ernakulam')

1 row created.

SQL> /

Enter value for dept\_id: 005

Enter value for dept\_name: CS

Enter value for dept\_city: Wayand

old 1: insert into department values(&dept\_id,'&dept\_name','&dept\_city')

new 1: insert into department values(005,'CS','Wayand')

1 row created.

SQL> select \* from department;

DEPT\_ID DEPT\_NAME DEPT\_CITY

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

1 MCA Kannur

2 EEE Wayanad

3 Civil Kollam

4 Mech Ernakulam

5 CS Wayanad

SQL> insert into employee values(&emp\_id,'&emp\_name',&dept\_id,&salary);

Enter value for emp\_id: 1001

Enter value for emp\_name: Nikhila

Enter value for dept\_id: 1

Enter value for salary: 50000

old 1: insert into employee values(&emp\_id,'&emp\_name',&dept\_id,&salary)

new 1: insert into employee values(1001,'Nikhila',1,50000)

1 row created.

SQL> select \* from employee;

EMP\_ID EMP\_NAME DEPT\_ID SALARY

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

1001 Nikhila 1 50000

SQL> insert into employee values(&emp\_id,'&emp\_name',&dept\_id,&salary);

Enter value for emp\_id: 1002

Enter value for emp\_name: Akhila

Enter value for dept\_id: 3

Enter value for salary: 60000

old 1: insert into employee values(&emp\_id,'&emp\_name',&dept\_id,&salary)

new 1: insert into employee values(1002,'Akhila',3,60000)

1 row created.

SQL> /

Enter value for emp\_id: 1003

Enter value for emp\_name: Nafeesa

Enter value for dept\_id: 3

Enter value for salary: 55000

old 1: insert into employee values(&emp\_id,'&emp\_name',&dept\_id,&salary)

new 1: insert into employee values(1003,'Nafeesa',3,55000)

1 row created.

SQL> /

Enter value for emp\_id: 1004

Enter value for emp\_name: Nishal

Enter value for dept\_id: 5

Enter value for salary: 50000

old 1: insert into employee values(&emp\_id,'&emp\_name',&dept\_id,&salary)

new 1: insert into employee values(1004,'Nishal',5,50000)

1 row created.

SQL> /

Enter value for emp\_id: 1005

Enter value for emp\_name: Muhsina

Enter value for dept\_id: 2

Enter value for salary: 55000

old 1: insert into employee values(&emp\_id,'&emp\_name',&dept\_id,&salary)

new 1: insert into employee values(1005,'Muhsina',2,55000)

1 row created.

SQL> select \* from employee;

EMP\_ID EMP\_NAME DEPT\_ID SALARY

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

1001 Nikhila 1 50000

1002 Akhila 3 60000

1003 Nafeesa 3 55000

1004 Nishal 5 50000

1005 Muhsina 2 55000

SQL> update employee set salary=60000 where emp\_id=1004;

1 row updated.

SQL> select \* from employee;

EMP\_ID EMP\_NAME DEPT\_ID SALARY

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

1001 Nikhila 1 50000

1002 Akhila 3 60000

1003 Nafeesa 3 55000

1004 Nishal 5 60000

1005 Muhsina 2 55000

SQL> delete from employee where emp\_id=1004;

1 row deleted.

SQL> select \* from employee;

EMP\_ID EMP\_NAME DEPT\_ID SALARY

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

1001 Nikhila 1 50000

1002 Akhila 3 60000

1003 Nafeesa 3 55000

1005 Muhsina 2 55000

SQL> select emp\_name,dept\_name from employee,department;

EMP\_NAME DEPT\_NAME

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

Nikhila MCA

Nikhila EEE

Nikhila Civil

Nikhila Mech

Nikhila CS

Akhila MCA

Akhila EEE

Akhila Civil

Akhila Mech

Akhila CS

Nafeesa MCA

EMP\_NAME DEPT\_NAME

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

Nafeesa EEE

Nafeesa Civil

Nafeesa Mech

Nafeesa CS

Muhsina MCA

Muhsina EEE

Muhsina Civil

Muhsina Mech

Muhsina CS

20 rows selected.

SQL> select dept\_name,emp\_name from department,employee where employee.dept\_id=department.dept\_id;

DEPT\_NAME EMP\_NAME

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

MCA Nikhila

EEE Muhsina

Civil Nafeesa

Civil Akhila

SQL> select \* from employee;

EMP\_ID EMP\_NAME DEPT\_ID SALARY

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

1001 Nikhila 1 50000

1002 Akhila 3 60000

1003 Nafeesa 3 55000

1005 Muhsina 2 55000

SQL> select emp\_name,dept\_name from employee,department where employee.dept\_id=department.dept\_id;

EMP\_NAME DEPT\_NAME

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

Nikhila MCA

Muhsina EEE

Nafeesa Civil

Akhila Civil

SQL> select \* from employee,department where dept\_city='Wayanad' and employee.dept\_id=department.dept\_id;

EMP\_ID EMP\_NAME DEPT\_ID SALARY DEPT\_ID

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

DEPT\_NAME DEPT\_CITY

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

1005 Muhsina 2 55000 2

EEE Wayanad

SQL> select emp\_name,dept\_city from employee,department where dept\_city='Wayanad' and employee.dept\_id=department.dept\_id;

EMP\_NAME DEPT\_CITY

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

Muhsina Wayanad

SQL> delete from employee where emp\_name='Nikhila';

1 row deleted.

SQL> select \* from employee;

EMP\_ID EMP\_NAME DEPT\_ID SALARY

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

1002 Akhila 3 60000

1003 Nafeesa 3 55000

1005 Muhsina 2 55000

SQL> update employee set salary=salary+500 where dept\_id=2;

1 row updated.

SQL> select \* from employee;

EMP\_ID EMP\_NAME DEPT\_ID SALARY

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

1002 Akhila 3 60000

1003 Nafeesa 3 55000

1005 Muhsina 2 55500

SQL> select emp\_name,dept\_name from employee,department where salary>56000 and employee.dept\_id=department.dept\_id;

EMP\_NAME DEPT\_NAME

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

Akhila Civil

SQL>