Relational Database Management System (RDBMS)

<center>*TABLES CREATION LABSHEET-1*</center>

Create the following tables

1. EMPLOYEE(FNAME,MİNIT,LNAME,SSN,SEX,SALARY,SUPERSSN₁DNO)

CONSTRAINTS:

        FNAME,LNAME,SSN,DNO   NOT NULL

        PRIMARY KEY(SSN)

        FOREIGN KEY (SUPERSSN) REFERENCES EMPLOYEE(SSN)

        FOREIGN KEY(DNO) REFERENCES DEPARTMENT(DNUMBER)

2.DEPARTMENT(DNAME,DNUMBER,MGRS8N) CONSTRAINTS:

        DNAME,DNUMBER,MGRSSN   NOTNULL

        PRIMARY KEY (DNUMBER)

        UNIQUE (DNAME),

        FOREIGN KEY(MGRSSN) REFERENCES EMPLOYEE(SSN)

        .

3. DEPT_LOCATIONS(DNUMBER,DLOCATION)

CONSTRAINTS:

        DNUMBER.DLOCATION   NOTNULL

        PRIMARY KEY(DNUMBER,DLOCATION)

        FOREIGN KEY(DNUMBER) REFERENCES DEPARTMENT(DNUMBER)

4. PROJECT(PNAME,PNUMBER,PLOCATIOIM,DNUM)

CONSTRAINTS:

        PNAME.PNUMBER.DNUM   NOTNULL

        PRIMARY KEY(PNUMBER)

        UNIQUE(PNAME)

        FOREIGN KEY(DNUM) REFERENCES DEPARTMENT(DNUMBER)

5. WORKS_ON(ESSM,PNO,HOURS)

CONSTRAINTS:

        ESSN,PNO   NOTNULL

       PRIMARY KEY(ESSN,PNO)

       FOREIGN KEY(ESSN) REFERENCES EMPLOYEE(SSN)

       FOREIGN KEY(PNO) REFERENCES PROJECT(PNUMBER)

6. DEPENDENT(ESSN,D_NAME,SEX,RELATIONSHIP)

CONSTRAINTS':

       ESSN,D_NAME   NOTNULL

       PRIMARY KEY(ESSN,D_NAME)

       FOREIGN KEY(ESSN) REFERENCES EMPLOYEE(SSN)

EMP DATABASE

EMPLOYEE

ENAME	MINIT	LNAME	SSN	SEX	SALARY	SUPERSSN	DNO
JOHN	B	SMITH	2345	M	30000	3344	5
FRANKLIN	T	WONG	3344	M	40000	8866	5
ALICIA	J	ZELAYA	9988	F	25000	8765	4
JENNIFER	S	WALLACE	8765	F	43000	8866	4
RAMESH	K	NARAYANA	6688	M	38000	3344	5
JOYCE	A	ENGLISH	5345	F	25000	3344	5
AHMAD	V	JABBER	8798	M	25000	8765	4
JAMES	E	BORG	8866	M	55000	NULL	1

DEPARTMENT

DNAMNE	DNUMBER	MGRSSN
RESEARCH	5	3344
ADMINISTRATION	4	8765
HEADQUATERS	1	8866

DEPT_LOCATION

DNUMBER	DLOCATION
1	HOUSTON
4	STAFFORD
5	BELLARIE
5	SUGARLAND
5	HOUSTON

WORKS_ON

ESSN	PNO	HOURS
2345	1	32.5
2345	2	7.5
6688	3	40
5345	1	20
5345	2	20
3344	2	10
3344	3	10
3344	10	10
3344	20	10
9988	30	30
9988	10	10
8798	10	35
8798	20	5
8765	20	20
8765	30	15
8866	30	NULL
8866	1	NULL

PROJECT

PNAME	PNUMBER	PLOCATION	DNUM
PRODUCT_X	1	BELLARIE	5
PRODUCT_Y	2	SUGARLAND	5
PRODUCT_Z	3	HOUSTON	5
COMPUTERIZATION	10	STAFFORD	4
REORGANIZATION	20	HOUSTON	1
NEWBENEFITS	30	STAFFORD	4

DEPENDENT

ESSN	D_NAME	SEX	RELATIONSHIP
3344	ALICE	F	DAUGHTER
3344	THEODORE	M	SON
3344	JOY	F	SPOUSE
8765	ABNER	M	SPOUSE
2345	MICHAEL	M	SON
2345	ALICE	F	DAUGHTER
2345	ELIZABETH	F	SPOUSE

TABLES CREATION LABSHEET

1. EMPLOYEE(FNAME,MlNIT,LNAME,SSN,SEX,SALARY,SUPERSSNIDNO)
CONSTRAINTS: FNAME,LNAME,SSN,DNO NOT NULL
PRIMARY KEY(SSN)
FOREIGN KEY (SUPERSSN) REFERENCES EMPLOYEE(SSN)
FOREIGN KEY(DNO) REFERENCES DEPARTMENT(DNUMBER)

```
SQL> create table employee
  2  (FNAME character(10) not null,MINIT character(5) not null,LNAME
character(10) not null,SSN numb
er(4) not null primary key,SEX character(3) not null,SALARY number(5)
not null,SUPERSSN number(4),
DNO number(1) not null);

Table created.

SQL> insert into employee
values('&fname','&minit','&lname',&ssn,'&sex',&salary,&superssn,&dno
);
Enter value for fname: JOHN
Enter value for minit: B
Enter value for lname: SMITH
Enter value for ssn: 2345
Enter value for sex: M
Enter value for salary: 30000
Enter value for superssn: 3344
Enter value for dno: 5
old   1: insert into employee
values('&fname','&minit','&lname',&ssn,'&sex',&salary,&superssn,&dno
)
new   1: insert into employee
values('JOHN','B','SMITH',2345,'M',30000,3344,5)

1 row created.

SQL> /
Enter value for fname: FRANKIN
Enter value for minit: T
Enter value for lname: WONG
Enter value for ssn: 3344
Enter value for sex: M
Enter value for salary: 40000
Enter value for superssn: 8866
Enter value for dno: 5
old   1: insert into employee
values('&fname','&minit','&lname',&ssn,'&sex',&salary,&superssn,&dno
)
new   1: insert into employee
values('FRANKIN','T','WONG',3344,'M',40000,8866,5)

1 row created.

SQL> /
Enter value for fname: JENNIFER
Enter value for minit: S
```

```
Enter value for lname: WALLACE
Enter value for ssn: 8765
Enter value for sex: F
Enter value for salary: 43000
Enter value for superssn: 8866
Enter value for dno: 4
old    1: insert into employee
values('&fname','&minit','&lname',&ssn,'&sex',&salary,&superssn,&dno
)
new    1: insert into employee
values('JENNIFER','S','WALLACE',8765,'F',43000,8866,4)

1 row created.

SQL> /
Enter value for fname: ALICIA
Enter value for minit: J
Enter value for lname: ZELAYA
Enter value for ssn: 9988
Enter value for sex: F
Enter value for salary: 25000
Enter value for superssn: 8765
Enter value for dno: 4
old    1: insert into employee
values('&fname','&minit','&lname',&ssn,'&sex',&salary,&superssn,&dno
)
new    1: insert into employee
values('ALICIA','J','ZELAYA',9988,'F',25000,8765,4)

1 row created.

SQL> /
Enter value for fname: RAMESH
Enter value for minit: K
Enter value for lname: NARAYANA
Enter value for ssn: 6688
Enter value for sex: M
Enter value for salary: 38000
Enter value for superssn: 3344
Enter value for dno: 5
old    1: insert into employee
values('&fname','&minit','&lname',&ssn,'&sex',&salary,&superssn,&dno
)
new    1: insert into employee
values('RAMESH','K','NARAYANA',6688,'M',38000,3344,5)

1 row created.

SQL>  insert into employee
values('&fname','&minit','&lname',&ssn,'&sex',&salary,&superssn,&dno
);
Enter value for fname: JAMES
Enter value for minit: E
Enter value for lname: BORG
Enter value for ssn: 8866
Enter value for sex: M
```

```
Enter value for salary: 55000
Enter value for superssn: NULL
Enter value for dno: 1
old   1:  insert into employee
values('&fname','&minit','&lname',&ssn,'&sex',&salary,&superssn,&dno
)
new   1:  insert into employee
values('JAMES','E','BORG',8866,'M',55000,NULL,1)

1 row created.

alter table employee add constraint employee_SUPERSSN_FK foreign
key(SUPERSSN) references emplo
yee(SSN);

Table altered.

SQL> select * from employee;

FNAME      MINIT LNAME            SSN SEX     SALARY   SUPERSSN
DNO
---------- ----- ---------- ---------- --- ---------- ----------
----------
JOHN       B     SMITH          2345 M        30000       3344
5
FRANKIN    T     WONG           3344 M        40000       8866
5
JENNIFER   S     WALLACE        8765 F        43000       8866
4
ALICIA     J     ZELAYA         9988 F        25000       8765
4
RAMESH     K     NARAYANA       6688 M        38000       3344
5
JOYCE      A     ENGLISH        5345 F        25000       3344
5
AHMAD      V     JABBER         8798 M        25000       8765
4
JAMES      E     BORG           8866 M        55000
1

8 rows selected.

SQL> alter table employee add constraint employee_DNO_fk foreign
key(DNO) references department(DNUM
BER);

Table altered.
```

2.DEPARTMENT(DNAME,DNUMBER,MGRSSN)
CONSTRAINTS: DNAME,DNUMBER,MGRSSN NOTNULL
PRIMARY KEY (DNUMBER) UNIQUE (DNAME),
FOREIGN KEY(MGRSSN) REFERENCES EMPLOYEE(SSN)

```
SQL>  create table department
```

```
   2    (DNAME character(15) not null unique,DNUMBER number(1) not
null,MGRSSN number(4) not null);

Table created.

SQL> INSERT INTO DEPARTMENT VALUES('&DNAME',&DNUMBER,&MGRSSN);
Enter value for dname: RESEARCH
Enter value for dnumber: 5
Enter value for mgrssn: 3344
old   1: INSERT INTO DEPARTMENT VALUES('&DNAME',&DNUMBER,&MGRSSN)
new   1: INSERT INTO DEPARTMENT VALUES('RESEARCH',5,3344)

1 row created.

SQL> /
Enter value for dname: ADMINISTRATION
Enter value for dnumber: 4
Enter value for mgrssn: 8765
old   1: INSERT INTO DEPARTMENT VALUES('&DNAME',&DNUMBER,&MGRSSN)
new   1: INSERT INTO DEPARTMENT VALUES('ADMINISTRATION',4,8765)

1 row created.

SQL> /
Enter value for dname: HEADQUATERS
Enter value for dnumber: 1
Enter value for mgrssn: 8866
old   1: INSERT INTO DEPARTMENT VALUES('&DNAME',&DNUMBER,&MGRSSN)
new   1: INSERT INTO DEPARTMENT VALUES('HEADQUATERS',1,8866)

1 row created.


SQL> select * from department;

DNAME              DNUMBER     MGRSSN
--------------- ---------- ----------
RESEARCH                 5       3344
ADMINISTRATION           4       8765
HEADQUATERS              1       8866

SQL> alter table department add constraint department_DNUMBER_pk
primary key(DNUMBER);

Table altered.

SQL> alter table department add constraint department_MGRSSN_fk foreign
key(MGRSSN) references emplo
yee(SSN);

Table altered.
```

3. DEPT_LOCATIONS(DNUMBER,DLOCATION)
CONSTRAINTS: DNUMBER.DLOCATION NOTNULL
PRIMARY KEY(DNUMBER,DLOCATION)
FOREIGN KEY(DNUMBER) REFERENCES DEPARTMENT(DNUMBER)

```
SQL> create table dept_locations
  2    (DNUMBER number(1) not null,DLOCATION character(10) not null);

Table created.

SQL> insert into dept_locations values(&DNUMBER,'&DLOCATION');
Enter value for dnumber: 1
Enter value for dlocation: HOUSTON
old   1: insert into dept_locations values(&DNUMBER,'&DLOCATION')
new   1: insert into dept_locations values(1,'HOUSTON')

1 row created.

SQL> /
Enter value for dnumber: 4
Enter value for dlocation: STAFFORD
old   1: insert into dept_locations values(&DNUMBER,'&DLOCATION')
new   1: insert into dept_locations values(4,'STAFFORD')

1 row created.

SQL> /
Enter value for dnumber: 5
Enter value for dlocation: BELLARIE
old   1: insert into dept_locations values(&DNUMBER,'&DLOCATION')
new   1: insert into dept_locations values(5,'BELLARIE')

1 row created.

SQL> /
Enter value for dnumber: 5
Enter value for dlocation: SUGARLAND
old   1: insert into dept_locations values(&DNUMBER,'&DLOCATION')
new   1: insert into dept_locations values(5,'SUGARLAND')

1 row created.

SQL> /
Enter value for dnumber: 5
Enter value for dlocation: HOUSTON
old   1: insert into dept_locations values(&DNUMBER,'&DLOCATION')
new   1: insert into dept_locations values(5,'HOUSTON')

1 row created.

SQL> select * from dept_locations;

    DNUMBER DLOCATION
---------- ----------
         1 HOUSTON
         4 STAFFORD
         5 BELLARIE
         5 SUGARLAND
         5 HOUSTON
```

```
SQL> alter table dept_locations add constraint dept_DNUMBER_fk foreign
key(DNUMBER) references depar
tment(DNUMBER);

Table altered.
```

4. PROJECT(PNAME,PNUMBER,PLOCATIOIM,DNUM)
   CONSTRAINTS: PNAME.PNUMBER.DNUM NOTNULL
   PRIMARY KEY(PNUMBER) UNIQUE(PNAME)
   FOREIGN KEY(DNUM) REFERENCES DEPARTMENT(DNUMBER)

```
SQL> create tablr project(PNAME character(15) not null unique,PNUMBER
number(2) not null primary key,PLOCATION character(10) not null,DNUM
number(1) not null);
Table created.

SQL> insert into project values('&PNAME',&PNUMBER,'&PLOCATION',&DNUM);
Enter value for pname: PRODUCT_X
Enter value for pnumber: 1
Enter value for plocation: BELLARIE
Enter value for dnum: 5
old   1: insert into project
values('&PNAME',&PNUMBER,'&PLOCATION',&DNUM)
new   1: insert into project values('PRODUCT_X',1,'BELLARIE',5)

1 row created.

SQL> /
Enter value for pname: PRODUCT_Y
Enter value for pnumber: 2
Enter value for plocation: SUGARLAND
Enter value for dnum: 5
old   1: insert into project
values('&PNAME',&PNUMBER,'&PLOCATION',&DNUM)
new   1: insert into project values('PRODUCT_Y',2,'SUGARLAND',5)

1 row created.

SQL> /
Enter value for pname: PRODUCT_Z
Enter value for pnumber: 3
Enter value for plocation: HOUSTON
Enter value for dnum: 5
old   1: insert into project
values('&PNAME',&PNUMBER,'&PLOCATION',&DNUM)
new   1: insert into project values('PRODUCT_Z',3,'HOUSTON',5)

1 row created.

SQL> /
Enter value for pname: COMPUTERIZATION
Enter value for pnumber: 10
Enter value for plocation: STAFFORD
```

```
Enter value for dnum: 4
old   1: insert into project
values('&PNAME',&PNUMBER,'&PLOCATION',&DNUM)
new   1: insert into project values('COMPUTERIZATION',10,'STAFFORD',4)

1 row created.


SQL> /
Enter value for pname: REORGANIZATION
Enter value for pnumber: 20
Enter value for plocation: HOUSTON
Enter value for dnum: 1
old   1: insert into project
values('&PNAME',&PNUMBER,'&PLOCATION',&DNUM)
new   1: insert into project values('REORGANIZATION',20,'HOUSTON',1)

1 row created.


SQL> /
Enter value for pname: NEWBENEFITS
Enter value for pnumber: 30
Enter value for plocation: STAFFORD
Enter value for dnum: 4
old   1: insert into project
values('&PNAME',&PNUMBER,'&PLOCATION',&DNUM)
new   1: insert into project values('NEWBENEFITS',30,'STAFFORD',4)

1 row created.

PNAME                 PNUMBER PLOCATION        DNUM
--------------- ---------- ---------- ----------
PRODUCT_X                 1 BELLARIE            5
PRODUCT_Y                 2 SUGARLAND           5
PRODUCT_Z                 3 HOUSTON             5
COMPUTERIZATION          10 STAFFORD            4
REORGANIZATION           20 HOUSTON             1
NEWBENEFITS              30 STAFFORD            4

6 rows selected.

SQL> alter table project add constraint project_DNUM_fk foreign
key(DNUM) references department(DNUM
BER);

Table altered.
```

5. WORKS_ON(ESSN,PNO,HOURS)
CONSTRAINTS: ESSN,PNO NOTNULL
PRIMARY KEY(ESSN,PNO)
FOREIGN KEY(ESSN) REFERENCES EMPLOYEE(SSN)
FOREIGN KEY(PNO) REFERENCES PROJECT(PNUMBER)

```
SQL> create table works_on
(ESSN number(4) not null,PNO number(2) not null,HOURS number(5));

Table created.
```

```
SQL> insert into works_on values(&ESSN,&PNO,&HOURS);
Enter value for essn: 2345
Enter value for pno: 1
Enter value for hours: 32.5
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(2345,1,32.5)

1 row created.

SQL> /
Enter value for essn: 2345
Enter value for pno: 2
Enter value for hours: 7.5
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(2345,2,7.5)

1 row created.

SQL> /
Enter value for essn: 6688
Enter value for pno: 3
Enter value for hours: 40
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(6688,3,40)

1 row created.

SQL> /
Enter value for essn: 5345
Enter value for pno: 1
Enter value for hours: 20
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(5345,1,20)

1 row created.

SQL> /
Enter value for essn: 5345
Enter value for pno: 2
Enter value for hours: 20
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(5345,2,20)

1 row created.

SQL> /
Enter value for essn: 3344
Enter value for pno: 2
Enter value for hours: 10
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(3344,2,10)

1 row created.

SQL> /
```

```
Enter value for essn: 3344
Enter value for pno: 3
Enter value for hours: 10
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(3344,3,10)

1 row created.

SQL> /
Enter value for essn: 3344
Enter value for pno: 10
Enter value for hours: 10
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(3344,10,10)

1 row created.

SQL> /
Enter value for essn: 3344
Enter value for pno: 20
Enter value for hours: 10
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(3344,20,10)

1 row created.

SQL> /
Enter value for essn: 9988
Enter value for pno: 30
Enter value for hours: 30
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(9988,30,30)

1 row created.

SQL> /
Enter value for essn: 9988
Enter value for pno: 10
Enter value for hours: 10
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(9988,10,10)

1 row created.

SQL> /
Enter value for essn: 8798
Enter value for pno: 10
Enter value for hours: 35
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(8798,10,35)

1 row created.

SQL> /
Enter value for essn: 8798
Enter value for pno: 20
```

```
Enter value for hours: 5
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(8798,20,5)

1 row created.

SQL> /
Enter value for essn: 8765
Enter value for pno: 20
Enter value for hours: 20
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(8765,20,20)

1 row created.

SQL> /
Enter value for essn: 8765
Enter value for pno: 30
Enter value for hours: 15
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(8765,30,15)

1 row created.

SQL> SQL> alter table works_on modify(HOURS NULL);

Table altered.

SQL> insert into works_on values(&ESSN,&PNO,&HOURS);
Enter value for essn: 8866
Enter value for pno: 30
Enter value for hours: null
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(8866,30,null)

1 row created.

SQL> /
Enter value for essn: 8866
Enter value for pno: 1
Enter value for hours: null
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(8866,1,null)

1 row created.
Enter value for essn: 8866
Enter value for pno: 30
Enter value for hours: null
old   1: insert into works_on values(&ESSN,&PNO,&HOURS)
new   1: insert into works_on values(8866,30,null)

1 row created.

SQL> /
Enter value for essn: 8866
Enter value for pno: 1
```

```
Enter value for hours: null
old    1: insert into works_on values(&ESSN,&PNO,&HOURS)
new    1: insert into works_on values(8866,1,null)

1 row created.

SQL> select * from works_on;

      ESSN        PNO       HOURS
---------- ---------- ----------
      2345          1         33
      2345          2          8
      6688          3         40
      5345          1         20
      5345          2         20
      3344          2         10
      3344          3         10
      3344         10         10
      3344         20         10
      9988         30         30
      9988         10         10

      ESSN        PNO       HOURS
---------- ---------- ----------
      8798         10         35
      8798         20          5
      8765         20         20
      8765         30         15
      8866         30
      8866          1

17 rows selected.

SQL> alter table works_on add constraint work_ESSN_fk foreign key(ESSN)
references employee(SSN);

Table altered.

SQL> alter table works_on add constraint work_PNO_fk foreign key(PNO)
references project(PNUMBER);

Table altered.
```

6. DEPENDENT(ESSN,D_NAME,SEX,RELATIONSHIP)
  CONSTRAINTS': ESSN,D_NAME NOTNULL
  PRIMARY KEY(ESSN,D_NAME)
  FOREIGN KEY(ESSN) REFERENCES EMPLOYEE(SSN)

```
SQL> create table dependent
(ESSN number(4) not null,D_NAME character(15) not null,SEX
character(3),RELATIONSHIP character(15));

Table created.

SQL> insert into dependent
```

```
values(&ESSN,'&D_NAME','&SEX','&RELATIONSHIP');
Enter value for essn: 3344
Enter value for d_name: ALICE
Enter value for sex: F
Enter value for relationship: DAUGHTER
old   1: insert into dependent
values(&ESSN,'&D_NAME','&SEX','&RELATIONSHIP'
new   1: insert into dependent values(3344,'ALICE','F','DAUGHTER')

1 row created.

SQL> /
Enter value for essn: 3344
Enter value for d_name: THEODORE
Enter value for sex: M
Enter value for relationship: SON
old   1: insert into dependent
values(&ESSN,'&D_NAME','&SEX','&RELATIONSHIP'
new   1: insert into dependent values(3344,'THEODORE','M','SON')

1 row created.

SQL> /
Enter value for essn: 3344
Enter value for d_name: JOY
Enter value for sex: F
Enter value for relationship: SPOUSE
old   1: insert into dependent
values(&ESSN,'&D_NAME','&SEX','&RELATIONSHIP'
new   1: insert into dependent values(3344,'JOY','F','SPOUSE')

1 row created.

SQL> /
Enter value for essn: 8765
Enter value for d_name: ABNER
Enter value for sex: M
Enter value for relationship: SPOUSE
old   1: insert into dependent
values(&ESSN,'&D_NAME','&SEX','&RELATIONSHIP'
new   1: insert into dependent values(8765,'ABNER','M','SPOUSE')

1 row created.

SQL> /
Enter value for essn: 2345
Enter value for d_name: MICHAEL
Enter value for sex: M
Enter value for relationship: SON
old   1: insert into dependent
values(&ESSN,'&D_NAME','&SEX','&RELATIONSHIP'
new   1: insert into dependent values(2345,'MICHAEL','M','SON')

1 row created.

SQL> /
```

```
Enter value for essn: 2345
Enter value for d_name: ALICE
Enter value for sex: F
Enter value for relationship: DAUGHTER
old   1: insert into dependent
values(&ESSN,'&D_NAME','&SEX','&RELATIONSHIP'
new   1: insert into dependent values(2345,'ALICE','F','DAUGHTER')

1 row created.

SQL> /
Enter value for essn: 2345
Enter value for d_name: ELIZABETH
Enter value for sex: F
Enter value for relationship: SPOUSE
old   1: insert into dependent
values(&ESSN,'&D_NAME','&SEX','&RELATIONSHIP'
new   1: insert into dependent values(2345,'ELIZABETH','F','SPOUSE')

1 row created.

SQL> select * from dependent;

      ESSN D_NAME          SEX RELATIONSHIP
---------- --------------- --- ---------------
      3344 ALICE           F   DAUGHTER
      3344 THEODORE        M   SON
      3344 JOY             F   SPOUSE
      8765 ABNER           M   SPOUSE
      2345 MICHAEL         M   SON
      2345 ALICE           F   DAUGHTER
      2345 ELIZABETH       F   SPOUSE

7 rows selected.

SQL> alter table dependent add constraint depen_ESSN_fk foreign
key(ESSN) references employee(SSN);

Table altered.
```