OCTAVIA OLIVIA SUMAILAH AIT-524 HOMEWORK ASSIGNMENT9

PAYROLL MANAGEMENT SYSTEM DATABASE DESIGN

1. ADDED THREE RECORDS INTO THE DEPARTMENT TABLE

```
SQL> DESC department_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DEPT_ID                                   NOT NULL CHAR(5)
 DEPT_DESC                                          VARCHAR2(35)
 DEPT_LOCATION                                      VARCHAR2(35)
 EMP_ID                                    NOT NULL CHAR(5)

SQL>


SQL> INSERT INTO department_tbl VALUES ('IT876', 'infromation technology', 'Fairfax', 'OS248');
INSERT INTO department_tbl VALUES ('IT876', 'infromation technology', 'Fairfax', 'OS248')
1 row created.


SQL> INSERT INTO department_tbl VALUES ('HR638', 'human resource', 'washington dc', 'ES832');

1 row created.

SQL> INSERT INTO department_tbl VALUES ('FI652', 'Finance', 'San francisco', 'GM670');

1 row created.

SQL> SELECT * FROM employee_tbl;

EMP_I EMP_FNAME                         EMP_LNAME
----- ------------------------------ ------------------------------
EMP_HIRED EMP_ADDRESS
--------- --------------------------------------------------------
EMP_CITY                       EMP_STATE                      EMP_Z
------------------------------ ------------------------------ -----
 EMP_PHONE
----------
OS248 octavia                          sumailah
01-NOV-18 off lee highway
fairfax                        virginia                       22030
3408347632


EMP_I EMP_FNAME                         EMP_LNAME
----- ------------------------------ ------------------------------
EMP_HIRED EMP_ADDRESS
--------- --------------------------------------------------------
EMP_CITY                       EMP_STATE                      EMP_Z
------------------------------ ------------------------------ -----
 EMP_PHONE
----------
ES832 emmanuella                       smith
30-OCT-18 lamont dr
lanham                         maryland                       20602
3017383938


EMP_I EMP_FNAME                         EMP_LNAME
----- ------------------------------ ------------------------------
EMP_HIRED EMP_ADDRESS
--------- --------------------------------------------------------
EMP_CITY                       EMP_STATE                      EMP_Z
------------------------------ ------------------------------ -----
 EMP_PHONE
----------
GM670 Gifty                            mensah
01-SEP-18 pine hill
san francisco                  california                     96373
4159347490


SQL> OCTAVIA OLIVIA SUMAILAH
```

2. ADDED TWO RECORDS INTO THE INFORMATION TECHNOLOGY TABLE

```
SQL> DESC infor_tech_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DEPT_ID                                   NOT NULL CHAR(5)
 TECH_ROLE                                          VARCHAR2(55)


SQL> ALTER TABLE infor_tech_tbl DROP CONSTRAINT infor_tech_tbl_dept_id_fk;

Table altered.

SQL> INSERT INTO infor_tech_tbl VALUES ('OS248', 'information technology support');

1 row created.

SQL> INSERT INTO infor_tech_tbl VALUES ('JP934', 'IT technician');

1 row created.

SQL> SELECT * FROM infor_tech_tbl;

DEPT_ TECH_ROLE
----- -------------------------------------------------------
OS248 information technology support
JP934 IT technician

SQL> OCTAVIA OLIVIA SUMAILAH
```

3. ADDED TWO RECORDS INTO THE HUMAN RESOURCE TABLE

```
SQL> ALTER TABLE humanresources_tbl DROP CONSTRAINT humanresources_tbl_fk;

Table altered.

SQL> INSERT INTO humanresources_tbl VALUES ('ES832', 'HR Assistant');

1 row created.

SQL> INSERT INTO humanresources_tbl VALUES ('AL090', 'HR Driver');

1 row created.

SQL> DESC humanresources_tbl;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DEPT_ID                                   NOT NULL CHAR(5)
 HR_ROLE                                            VARCHAR2(55)

SQL> SELECT * FROM humanresources_tbl;

DEPT_ HR_ROLE
----- -------------------------------------------------------
ES832 HR Assistant
AL090 HR Driver

SQL> OCTAVIA OLIVIA SUMILAH
```

4. ADDED TWO RECORDS INTO THE FINANCE TABLE

```
SQL> ALTER TABLE finance_tbl DROP CONSTRAINT finance_tbl_dept_id_fk;

Table altered.

SQL>  INSERT INTO finance_tbl VALUES ('GM670', 'Assistant manager');

1 row created.

SQL> INSERT INTO finance_tbl VALUES ('UB100', 'Finance Manager');

1 row created.

SQL> DESC finance_tbl;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DEPT_ID                                   NOT NULL CHAR(5)
 FIN_ROLE                                           VARCHAR2(55)

SQL> SELECT * FROM finance_tbl;

DEPT_ FIN_ROLE
----- -------------------------------------------------------
GM670 Assistant manager
UB100 Finance Manager

SQL> OCTAVIA OLIVIA SUMAILAH
```

5. ADDED TWO RECORDS INTO THE MAINTENANCE TABLE

```
SQL> ALTER TABLE maintenance_tbl DROP CONSTRAINT maintenance_tbl_dept_id_fk;

Table altered.

SQL> INSERT INTO maintenance_tbl VALUES ('ID789', 'maintenance supervisor');

1 row created.

SQL> INSERT INTO maintenance_tbl VALUES ('WK234', 'maintenance manager');

1 row created.

SQL> DESC maintenance_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DEPT_ID                                   NOT NULL CHAR(5)
 MAIN_ROLE                                          VARCHAR2(55)

SQL> SELECT * FROM maintenance_tbl;

DEPT_ MAIN_ROLE
----- -------------------------------------------------------
ID789 maintenance supervisor
WK234 maintenance manager

SQL> OCTAVIA OLIVIA SUMAILAH
```

6. ADDED TWO RECORDS INTO THE MANAGER TABLE

```
SQL> ALTER TABLE manager_tbl DROP CONSTRAINT manager_tbl_dept_id_fk;

Table altered.

SQL> INSERT INTO manager_tbl VALUES ('WK234', 'maintenance manager');

1 row created.

SQL> INSERT INTO manager_tbl VALUES ('UB100', 'Finance Manager');

1 row created.

SQL> DESC manager_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DEPT_ID                                   NOT NULL CHAR(5)
 MAN_ROLE                                           VARCHAR2(55)

SQL> SELECT * FROM manager_tbl;

DEPT_ MAN_ROLE
----- -------------------------------------------------------
WK234 maintenance manager
UB100 Finance Manager

SQL> OCTAVIA OLIVIA SUMAILAH
```

7. ADDED THREE RECORDS INTO THE SALARIED EMPLOYEES TABLE

```
SQL> ALTER TABLE salariedemployee_tbl DROP CONSTRAINT salemp_tbl_dept_id_fk;

Table altered.

SQL> INSERT INTO salariedemployee_tbl VALUES ('ES832');

1 row created.

SQL> INSERT INTO salariedemployee_tbl VALUES ('OS248');

1 row created.

SQL> OCTAVIA OLIVIA SUMAILAH
```

8. ADDED THREE RECORDS INTO THE HOURLY EMPLOYEES TABLE

```
SQL> ALTER TABLE hourlyemployees_tbl DROP CONSTRAINT hourlyemp_tbl_dept_id_fk;

Table altered.

SQL> INSERT INTO hourlyemployees_tbl VALUES ('ES832', 'Emmanuella Smith', 'Wales', 27);

1 row created.

SQL> INSERT INTO hourlyemployees_tbl VALUES ('U100', 'Umaru Barrie', 'labor union', 40);

1 row created.

SQL> INSERT INTO hourlyemployees_tbl VALUES ('WK234', 'Whem Luz', 'labour union', 20);

1 row created.

SQL> DESC hourlyemployees_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DEPT_ID                                   NOT NULL CHAR(5)
 BELONG_TO                                          VARCHAR2(55)
 TRADE_UNION                                        VARCHAR2(55)
 PAY_SCALE                                          NUMBER(5)

SQL> SELECT * FROM hourlyemployees_tbl;

DEPT_ BELONG_TO
----- ----------------------------------------------------------
TRADE_UNION                                           PAY_SCALE
----------------------------------------------------- ----------
U100  Umaru Barrie
labor union                                               40

ES832 Emmanuella Smith
Wales                                                     27

WK234 Whem Luz
labour union                                              20

SQL> OCTAVIA OLIVIA SUMAILAH
```

9. ADDED THREE RECORDS INTO THE EMPLOYEE TABLE

```
SQL> INSERT INTO employee_tbl VALUES ('OS248', 'octavia', 'sumailah', '01-NOV-18', 'off lee highway', 'fairfax', 'virginia', '22030', 3408347632);

1 row created.

SQL> INSERT INTO employee_tbl VALUES ('ES832', 'emmanuella', 'smith', '30-Oct-18', 'lamont dr', 'lanham', 'maryland', '20602', 3017383938);

1 row created.

SQL> INSERT INTO employee_tbl VALUES ('GM670', 'Gifty', 'mensah', '01-Sep-18', 'pine hill', 'san francisco', 'california', '96373', 4159347490);

1 row created.

SQL> SELECT * FROM employee_tbl;

EMP_I EMP_FNAME                        EMP_LNAME
----- -------------------------------- --------------------------------
EMP_HIRED EMP_ADDRESS
--------- ----------------------------------------------------------
EMP_CITY                               EMP_STATE                        EMP_Z
-------------------------------------- -------------------------------- -----
 EMP_PHONE
----------
OS248 octavia                          sumailah
01-NOV-18 off lee highway
fairfax                                virginia                         22030
3408347632

EMP_I EMP_FNAME                        EMP_LNAME
----- -------------------------------- --------------------------------
EMP_HIRED EMP_ADDRESS
--------- ----------------------------------------------------------
EMP_CITY                               EMP_STATE                        EMP_Z
-------------------------------------- -------------------------------- -----
 EMP_PHONE
----------
ES832 emmanuella                       smith
30-OCT-18 lamont dr
lanham                                 maryland                         20602
3017383938

EMP_I EMP_FNAME                        EMP_LNAME
----- -------------------------------- --------------------------------
EMP_HIRED EMP_ADDRESS
--------- ----------------------------------------------------------
EMP_CITY                               EMP_STATE                        EMP_Z
-------------------------------------- -------------------------------- -----
 EMP_PHONE
----------
GM670 Gifty                            mensah
01-SEP-18 pine hill
san francisco                          california                       96373
4159347490

SQL> OCTAVIA OLIVIA SUMAILAH
```

```
SQL> DESC department_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DEPT_ID                                   NOT NULL CHAR(5)
 DEPT_DESC                                          VARCHAR2(35)
 DEPT_LOCATION                                      VARCHAR2(35)
 EMP_ID                                    NOT NULL CHAR(5)

SQL> DESC employee_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 EMP_ID                                    NOT NULL CHAR(5)
 EMP_FNAME                                          VARCHAR2(35)
 EMP_LNAME                                          VARCHAR2(35)
 EMP_HIRED_DATE                                     DATE
 EMP_ADDRESS                                        VARCHAR2(55)
 EMP_CITY                                           VARCHAR2(35)
 EMP_STATE                                          VARCHAR2(35)
 EMP_ZIP                                   NOT NULL CHAR(5)
 EMP_PHONE                                 NOT NULL NUMBER(10)
```

10. ADDED THREE RECORDS INTO THE PAYROLL TABLE

```
SQL> INSERT INTO payroll_tbl VALUES (46211, '4', 2000.00, 100);

1 row created.

SQL> INSERT INTO payroll_tbl VALUES (62435, '2', 1000.00, 210);

1 row created.

SQL> INSERT INTO payroll_tbl VALUES (21345, '3', 1500.00,80);

1 row created.

SQL> DESC payroll_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 PAY_ID                                    NOT NULL NUMBER(5)
 SAL_GRADE                                          CHAR(2)
 SALARY                                             NUMBER(7,2)
 DEDUCT_ID                                          NUMBER(5)

SQL> SELECT * FROM payroll_tbl;

    PAY_ID SA     SALARY  DEDUCT_ID
---------- -- ---------- ----------
     46211 4        2000        100
     62435 2        1000        210
     21345 3        1500         80

SQL> OCTAVIA OLIVIA SUMAILAH
```

11. ADDED THREE RECORDS INTO THE PAYROLLBENEFITS TABLE

```
SQL> INSERT INTO payrollbenefits_tbl VALUES (46211, 34048, 27589);

1 row created.

SQL> INSERT INTO payrollbenefits_tbl VALUES (62435, 78211, 32801);

1 row created.

SQL> INSERT INTO payrollbenefits_tbl VALUES (21345, 56231, 42211);

1 row created.

SQL> DESC payrollbenefits_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 PAY_ID                                    NOT NULL NUMBER(5)
 BEN_ID                                    NOT NULL NUMBER(5)
 DEDUCT_ID                                          NUMBER(5)

SQL> SELECT * FROM payrollbenefits_tbl;

    PAY_ID     BEN_ID  DEDUCT_ID
---------- ---------- ----------
     46211      34048      27589
     62435      78211      32801
     21345      56231      42211

SQL> OCTAVAIA OLIVIA SUMAILAH
```

12. ADDED THREE RECORDS INTO THE BENEFITS TABLE

```
SQL> DESC benefits_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 BEN_ID                                    NOT NULL NUMBER(5)
 SAL_SCALE                                          NUMBER(7,2)
 ALLOWANCE                                          NUMBER(7,2)
 WELFARE                                            NUMBER(7,2)
 DEDUCT_ID                                          NUMBER(5)

SQL> INSERT INTO benefits_tbl VALUES (34048, 4, 1000.00, 2500.00,3321);

1 row created.

SQL> INSERT INTO benefits_tbl VALUES (78211, 3, 1300.00, 2200.00,32801);

1 row created.

SQL> INSERT INTO benefits_tbl VALUES (56231, 2, 79.00, 3000.00, 42211);

1 row created.

SQL> SELECT * FROM benefits_tbl;

    BEN_ID  SAL_SCALE  ALLOWANCE    WELFARE  DEDUCT_ID
---------- ---------- ---------- ---------- ----------
     34048          4       1000       2500       3321
     78211          3       1300       2200      32801
     56231          2         79       3000      42211

SQL> OCTAVIA OLIVIA SUMAILAH
```

OCTAVIA OLIVIA SUMAILAH AIT-524 HOMEWORK ASSIGNMENT9

13. ADDED THREE RECORDS INTO THE EMPLOYEEBENEFITS TABLE

```
SQL> INSERT INTO employeebenefits_tbl VALUES ('OS248', 34048, 6726393621);

1 row created.

SQL> INSERT INTO employeebenefits_tbl VALUES ('ES832', 78211, 9002116789);

1 row created.

SQL> INSERT INTO employeebenefits_tbl VALUES ('GM670', 56231, 6302668009);

1 row created.

SQL> DESC employeebenefits_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 EMP_ID                                    NOT NULL CHAR(5)
 BEN_ID                                    NOT NULL NUMBER(5)
 BEN_ACC#                                           NUMBER(10)

SQL> SELECT * FROM employeebenefits_tbl;

EMP_I     BEN_ID   BEN_ACC#
----- ---------- ----------
OS248      34048 6726393621
ES832      78211 9002116789
GM670      56231 6302668009

SQL> OCTAVIA OLIVIA SUMAILAH
```

14. ADDED THREE RECORDS INTO THE HOPITAL TABLE

```
SQL> INSERT INTO hospital_tbl VALUES ('FH982', 'fairfax hospital');

1 row created.

SQL> INSERT INTO hospital_tbl VALUES ('WD234', 'Washington Dc Hospital');

1 row created.

SQL> INSERT INTO hospital_tbl VALUES ('AX827', 'Alexandra hospital');

1 row created.

SQL> DESC hospital_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 HOSP_CODE                                 NOT NULL CHAR(5)
 HOSP_NAME                                          VARCHAR2(55)

SQL> SELECT * FROM hospital_tbl;

HOSP_ HOSP_NAME
----- -------------------------------------------------------
WD234 Washington Dc Hospital
AX827 Alexandra hospital
FH982 fairfax hospital

SQL> OCTAVIA OLIVIA SUMAILAH
```

15. ADDED THREE RECORDS INTO THE DOCTORS TABLE

```
SQL> INSERT INTO doctors_tbl VALUES ('RD974', 'Raymond Dixon', 'FH982', '09-Nov-18');

1 row created.

SQL> INSERT INTO doctors_tbl VALUES ('CK384', 'Chie Khan', 'WD234', '12-Dec-18');

1 row created.

SQL> INSERT INTO doctors_tbl VALUES ('ML345', 'Moe Lim', 'AX827', '29-Nov-18');

1 row created.

SQL> DESC doctors_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DOCTOR_ID                                 NOT NULL CHAR(5)
 DOCTOR_NAME                                        VARCHAR2(55)
 HOSP_CODE                                          CHAR(5)
 APPOINT_DATE                                       DATE

SQL> SELECT * FROM doctors_tbl;

DOCTO DOCTOR_NAME                                        HOSP_ APPOINT_D
----- -------------------------------------------------- ----- ---------
CK384 Chie Khan                                          WD234 12-DEC-18
ML345 Moe Lim                                            AX827 29-NOV-18
RD974 Raymond Dixon                                      FH982 09-NOV-18

SQL> OCTAVIA OLIVIA SUMAILAH
```

OCTAVIA OLIVIA SUMAILAH AIT-524 HOMEWORK ASSIGNMENT9

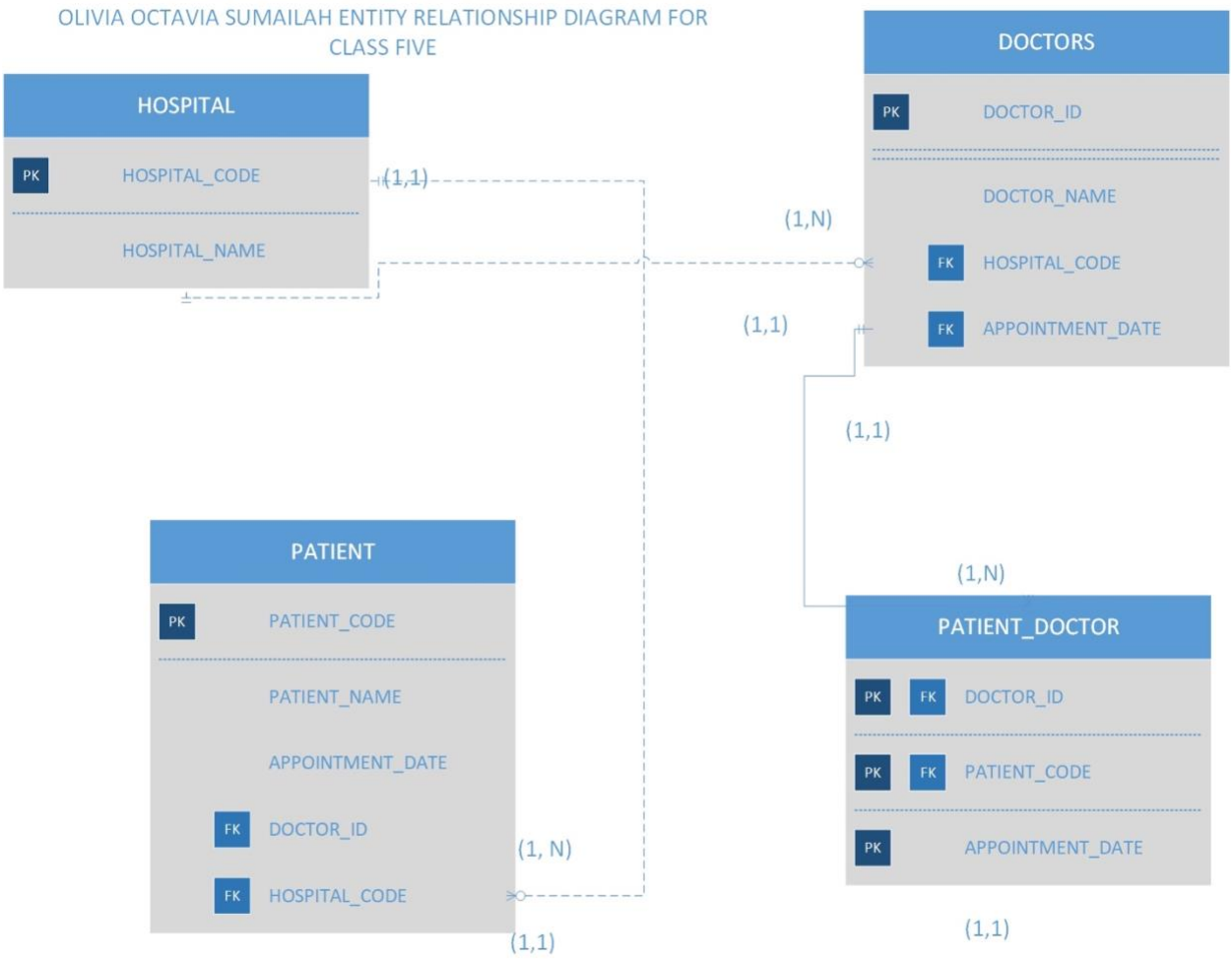
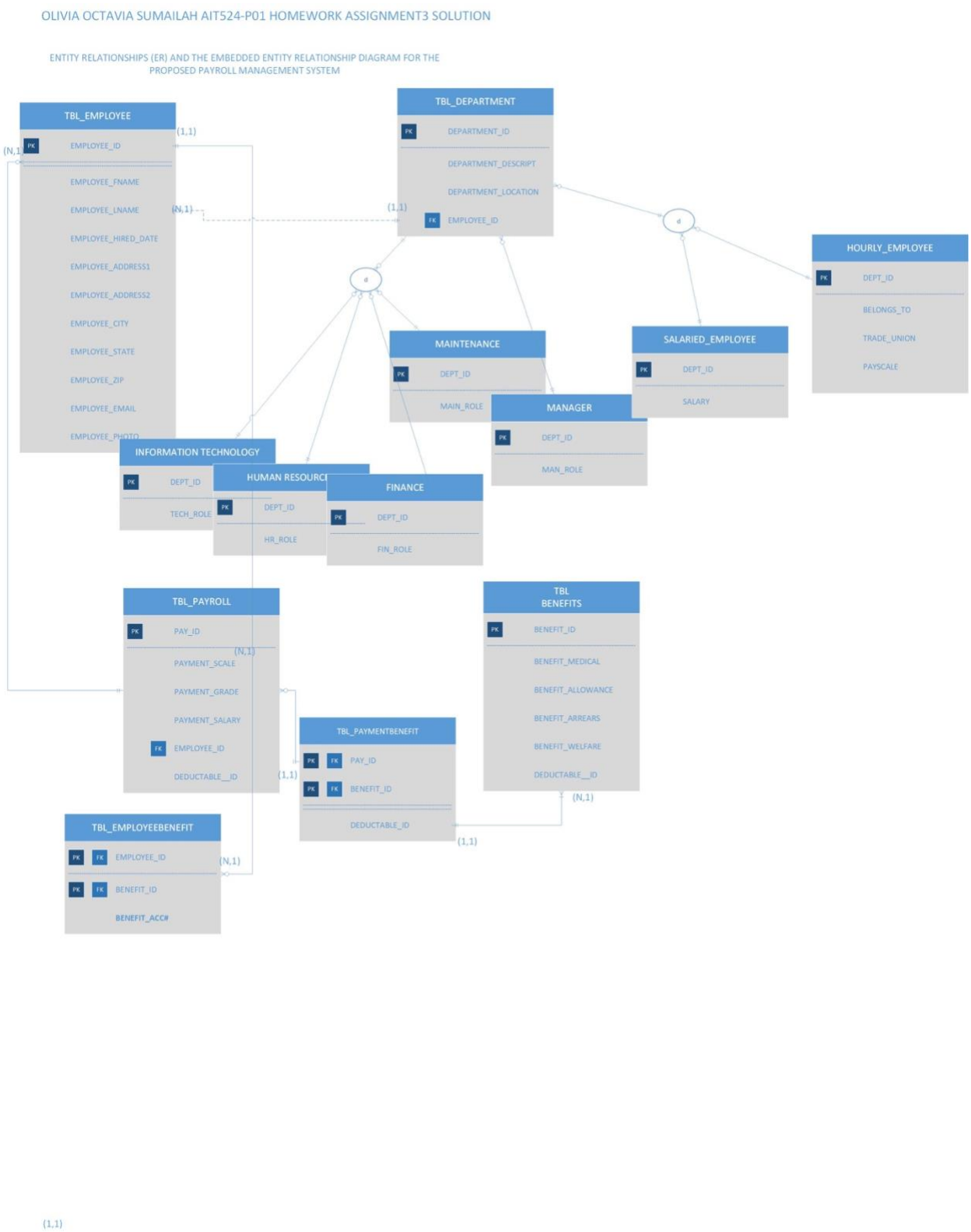
16. ADDED THREE RECORDS INTO THE PATIENT TABLE

```
SQL> INSERT INTO patient_tbl VALUES ('EJ526', 'eleanor jones', '02-Nov-18', 'RD974', 'FH982');

1 row created.

SQL> INSERT INTO patient_tbl VALUES ('HK280', 'Hassan Karimu', '19-May-07', 'CK384', 'WD234');

1 row created.


SQL> INSERT INTO patient_tbl VALUES ('AW844', 'Anolda Wilson', '20-Feb-19', 'ML345', 'AX827');

1 row created.

SQL> DESC patient_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 PAT_CODE                                  NOT NULL CHAR(5)
 PAT_NAME                                           VARCHAR2(55)
 APPOINT_DATE                                       DATE
 DOCTOR_ID                                          CHAR(5)
 HOSP_CODE                                          CHAR(5)

SQL> SELECT * FROM patient_tbl;

PAT_C PAT_NAME                                           APPOINT_D DOCTO
----- -------------------------------------------------- --------- -----
HOSP_
-----
EJ526 eleanor jones                                      02-NOV-18 RD974
FH982

HK280 Hassan Karimu                                      19-MAY-07 CK384
WD234

AW844 Anolda Wilson                                      20-FEB-19 ML345
AX827


SQL> OCTAVIA OLIVIA SUMAILAH
```

17. ADDED THREE RECORDS INTO THE PATIENTDOCTORS TABLE FROM PATIENT TABLE

```
SQL> INSERT INTO patientdoctor_tbl (doctor_id, pat_code, appoint_date) SELECT doctor_id, pat_code, appoint_date FROM patient_tbl;

3 rows created.

SQL> DESC patient_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 PAT_CODE                                  NOT NULL CHAR(5)
 PAT_NAME                                           VARCHAR2(55)
 APPOINT_DATE                                       DATE
 DOCTOR_ID                                          CHAR(5)
 HOSP_CODE                                          CHAR(5)

SQL> DESC patientdoctor_tbl
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DOCTOR_ID                                 NOT NULL CHAR(5)
 PAT_CODE                                  NOT NULL CHAR(5)
 APPOINT_DATE                                       DATE

SQL> SELECT * FROM patientdoctor_tbl;

DOCTO PAT_C APPOINT_D
----- ----- ---------
RD974 EJ526 02-NOV-18
CK384 HK280 19-MAY-07
ML345 AW844 20-FEB-19

SQL> OCTAVIA OLIVIA SUMAILAH
```

OCTAVIA OLIVIA SUMAILAH AIT-524 HOMEWORK ASSIGNMENT9



OCTAVIA OLIVIA SUMAILAH AIT-524 HOMEWORK ASSIGNMENT9