```sql
DROP TABLE Doctor;

DROP TABLE Nurse;

DROP TABLE Lab_tech;

DROP TABLE AHP;


DROP TABLE Pt_Test;

DROP TABLE Test_codes;

DROP TABLE Pt_procedure;

DROP TABLE Procedure_codes;

DROP TABLE Pt_diagnosis;

DROP TABLE Diagnosis_codes;


DROP TABLE Pt_meds;


DROP TABLE Vaccines;

DROP TABLE Pain_meds;

DROP TABLE Anti_cancer_drugs;

DROP TABLE Infection_meds;

DROP TABLE Other_meds;

DROP TABLE Med_codes;


DROP TABLE Pt_admission;

DROP TABLE Patient;

DROP TABLE HCW;


CREATE TABLE Patient(

patient_ID DECIMAL(12) PRIMARY KEY NOT NULL,
```

```sql
pt_first_name VARCHAR (32) NOT NULL,

pt_last_name VARCHAR (32) NOT NULL,

pt_phone DECIMAL (10) NOT NULL,

pt_DoB DATE NOT NULL,

pt_age DECIMAL (3) NOT NULL,

pt_gender VARCHAR (11) NOT NULL,

pt_address VARCHAR (255) NOT NULL);


CREATE TABLE HCW (

hcw_ID DECIMAL(12) PRIMARY KEY NOT NULL,

hcw_first_name VARCHAR (32) NOT NULL,

hcw_last_name VARCHAR (32) NOT NULL,

hcw_phone DECIMAL (10) NOT NULL,

hcw_DoB DATE NOT NULL,

hcw_gender VARCHAR (11) NOT NULL,

hcw_address VARCHAR (255) NOT NULL,

hcw_department VARCHAR (64) NOT NULL);


CREATE TABLE Doctor(

hcw_ID DECIMAL(12) PRIMARY KEY NOT NULL,

medical_license VARCHAR (20) NOT NULL,

title VARCHAR (32) NOT NULL,

CONSTRAINT hcw_doctor_fk FOREIGN KEY(HCW_id) REFERENCES HCW(hcw_ID));


CREATE TABLE Nurse(

hcw_ID DECIMAL(12) PRIMARY KEY NOT NULL,

nursing_license VARCHAR (32) NOT NULL,

CONSTRAINT hcw_nurse_fk FOREIGN KEY(HCW_id) REFERENCES HCW(hcw_ID));


CREATE TABLE Lab_tech(

hcw_ID DECIMAL(12) PRIMARY KEY NOT NULL,
```

```sql
labTech_license_cert VARCHAR (32) NOT NULL,

CONSTRAINT hcw_labTech_fk FOREIGN KEY(HCW_id) REFERENCES HCW(hcw_ID));


CREATE TABLE AHP(

hcw_ID DECIMAL(12) PRIMARY KEY NOT NULL,

AHP_license_cert VARCHAR (32) NOT NULL,

AHP_title VARCHAR (32) NOT NULL,

CONSTRAINT hcw_ahp_fk FOREIGN KEY(HCW_id) REFERENCES HCW(hcw_ID));


CREATE TABLE Pt_admission(

admission_ID DECIMAL(12) PRIMARY KEY NOT NULL,

patient_ID DECIMAL(12) NOT NULL,

admitting_hcw_ID DECIMAL(12) NOT NULL,

admission_date DATE NOT NULL,

discharge_date DATE NOT NULL,

stay_duration DECIMAL (3) NOT NULL,

room_num DECIMAL (4) NOT NULL,

bill_amount DECIMAL (9,2) NOT NULL,


CONSTRAINT pt_admit_fk FOREIGN KEY (patient_ID)

REFERENCES Patient (patient_ID),

CONSTRAINT pt_doctor_fk FOREIGN KEY (admitting_hcw_ID)

REFERENCES HCW(hcw_ID));


CREATE TABLE Test_codes(

test_ID DECIMAL(12) PRIMARY KEY NOT NULL,

test_name VARCHAR (32) NOT NULL,

test_requirement VARCHAR (255) NOT NULL,

test_method VARCHAR (255),

test_price DECIMAL (7,2) NOT NULL);
```

```
CREATE TABLE Pt_test(

pt_test_ID DECIMAL(12)PRIMARY KEY NOT NULL,

admission_ID DECIMAL(12)  NOT NULL,

test_ID DECIMAL(12) NOT NULL,

test_date DATE NOT NULL,

test_result_date DATE NOT NULL,

test_result_summary VARCHAR (255) NOT NULL,


CONSTRAINT test_admission_fk FOREIGN KEY(admission_ID)

REFERENCES Pt_admission(admission_ID),

CONSTRAINT test_code_fk FOREIGN KEY (test_ID)

REFERENCES Test_codes (test_ID));



CREATE TABLE Procedure_codes(

procedure_ID DECIMAL(12) PRIMARY KEY NOT NULL,

procedure_name VARCHAR (32) NOT NULL,

procedure_requirement VARCHAR (255) NOT NULL,

procedure_method VARCHAR (255),

procedure_price DECIMAL (7,2) NOT NULL,

Is_invasive CHAR(1) NOT NULL);


CREATE TABLE Pt_procedure(

pt_procedure_ID DECIMAL(12)PRIMARY KEY NOT NULL,

admission_ID DECIMAL(12)  NOT NULL,

procedure_ID DECIMAL(12) NOT NULL,

procedure_date DATE NOT NULL,

procedure_result_date DATE NOT NULL,

procedure_summary VARCHAR (255) NOT NULL,


CONSTRAINT procedure_admission_fk FOREIGN KEY(admission_ID)
```

```sql
REFERENCES Pt_admission(admission_ID),

CONSTRAINT procedure_code_fk FOREIGN KEY (procedure_ID)

REFERENCES Procedure_codes (procedure_ID));


CREATE TABLE Diagnosis_codes(

diagnosis_ID DECIMAL(12) PRIMARY KEY NOT NULL,

icd_code VARCHAR (10) NOT NULL,

diagnosis_description VARCHAR (255) NOT NULL);


CREATE TABLE Pt_diagnosis(

pt_diagnosis_ID DECIMAL(12)PRIMARY KEY NOT NULL,

admission_ID DECIMAL(12)  NOT NULL,

diagnosis_ID DECIMAL(12) NOT NULL,

diagnosing_dr_ID DECIMAL(12) NOT NULL,

diagnosis_notes VARCHAR (255) NOT NULL,


CONSTRAINT diagnosis_admission_fk FOREIGN KEY(admission_ID)

REFERENCES Pt_admission(admission_ID),

CONSTRAINT diagnosis_code_fk FOREIGN KEY (diagnosis_ID)

REFERENCES diagnosis_codes (diagnosis_ID),

CONSTRAINT diagnosis_dr_fk FOREIGN KEY (diagnosing_dr_ID)

REFERENCES hcw(hcw_ID));


CREATE TABLE Med_codes(

med_ID DECIMAL(12) PRIMARY KEY NOT NULL,

drug_name VARCHAR (64) NOT NULL,

drug_route VARCHAR (64) NOT NULL);


CREATE TABLE Vaccines(

med_ID DECIMAL(12) PRIMARY KEY NOT NULL,

vac_type VARCHAR (64) NOT NULL,
```

```sql
dose_number DECIMAL(2) NOT NULL,

unit_price DECIMAL(4,1) NOT NULL,

CONSTRAINT vac_med_fk FOREIGN KEY (med_ID)

REFERENCES Med_codes (med_ID));


CREATE TABLE Pain_meds(

med_ID DECIMAL(12) PRIMARY KEY NOT NULL,

unit_price DECIMAL(4,1) NOT NULL,

Is_opioid CHAR(1),

CONSTRAINT pain_med_fk FOREIGN KEY (med_ID)

REFERENCES Med_codes (med_ID));


CREATE TABLE Infection_meds(

med_ID DECIMAL(12) PRIMARY KEY NOT NULL,

broad_category VARCHAR (64) NOT NULL,

unit_price DECIMAL(4,1) NOT NULL,

CONSTRAINT infection_med_fk FOREIGN KEY (med_ID)

REFERENCES Med_codes (med_ID));


CREATE TABLE Anti_cancer_drugs(

med_ID DECIMAL(12) PRIMARY KEY NOT NULL,

broad_category VARCHAR (64) NOT NULL,

chemo_notes VARCHAR (255) NOT NULL,

unit_price DECIMAL(9,2) NOT NULL,

CONSTRAINT chemo_med_fk FOREIGN KEY (med_ID)

REFERENCES Med_codes (med_ID));


CREATE TABLE Other_meds(

med_ID DECIMAL(12) PRIMARY KEY NOT NULL,

med_category VARCHAR (64) NOT NULL,

med_notes VARCHAR (255) NOT NULL,
```

```sql
unit_price DECIMAL(6,1) NOT NULL,

CONSTRAINT misc_med_fk FOREIGN KEY (med_ID)

REFERENCES Med_codes (med_ID));


CREATE TABLE Pt_meds(

pt_med_ID DECIMAL(12)PRIMARY KEY NOT NULL,

admission_ID DECIMAL(12) NOT NULL,

med_ID DECIMAL(12) NOT NULL,

dosage VARCHAR (8) NOT NULL,

frequency VARCHAR (32) NOT NULL,

instructions VARCHAR (255),

precautions VARCHAR (255),


CONSTRAINT med_admission_fk FOREIGN KEY(admission_ID)

REFERENCES Pt_admission(admission_ID),

CONSTRAINT med_codes_fk FOREIGN KEY(med_ID)

REFERENCES Med_codes (med_ID));


--sequence creation for all primary keys

--(except those that are PK and FK together)


DROP SEQUENCE pt_seq;

DROP SEQUENCE HCW_seq;

DROP SEQUENCE admission_seq ;

DROP SEQUENCE test_seq ;

DROP SEQUENCE pt_test_seq ;

DROP SEQUENCE procedure_seq ;

DROP SEQUENCE pt_procedure_seq ;

DROP SEQUENCE diagnosis_seq ;

DROP SEQUENCE pt_diagnosis_seq ;

DROP SEQUENCE med_seq ;
```

```sql
DROP SEQUENCE pt_med_seq ;


CREATE SEQUENCE pt_seq START WITH 1; --Patient

CREATE SEQUENCE HCW_seq START WITH 1; --HCW

CREATE SEQUENCE admission_seq START WITH 1; --Pt_admission


CREATE SEQUENCE test_seq START WITH 1; --Test_codes

CREATE SEQUENCE pt_test_seq START WITH 1; --Pt_Test


CREATE SEQUENCE procedure_seq START WITH 1; --Procedure_codes

CREATE SEQUENCE pt_procedure_seq START WITH 1; --Pt_procedure


CREATE SEQUENCE diagnosis_seq START WITH 1; --Diagnosis_codes

CREATE SEQUENCE pt_diagnosis_seq START WITH 1; --Pt_diagnosis


CREATE SEQUENCE med_seq START WITH 1; --Med_codes

CREATE SEQUENCE pt_med_seq START WITH 1; --Pt_meds



DROP PROCEDURE add_pt;

DROP PROCEDURE add_doctor ;

DROP PROCEDURE add_nurse;

DROP PROCEDURE add_AHP;

DROP PROCEDURE add_labtech;

DROP PROCEDURE add_test ;

DROP PROCEDURE add_proc;

DROP PROCEDURE add_diagnosis;

DROP PROCEDURE add_vaccine;

DROP PROCEDURE add_pain_med;
```

```sql
DROP PROCEDURE add_inf_med;

DROP PROCEDURE add_chemo;

DROP PROCEDURE add_other_med;




CREATE OR REPLACE PROCEDURE add_pt (PT_FIRST_NAME IN VARCHAR,

PT_LAST_NAME IN VARCHAR, PT_PHONE IN DECIMAL, PT_DoB IN DATE,

PT_Age IN DECIMAL, PT_GENDER IN VARCHAR, PT_ADDRESS IN VARCHAR)

IS

BEGIN

INSERT INTO patient (patient_ID , PT_FIRST_NAME, PT_LAST_NAME,

PT_PHONE, PT_DoB, PT_Age,PT_GENDER, PT_ADDRESS)

VALUES (pt_seq.nextval,PT_FIRST_NAME, PT_LAST_NAME,

PT_PHONE, PT_DoB, PT_Age,PT_GENDER, PT_ADDRESS );

END;

/

Begin

add_pt ('Amy', 'Fowler', 111112222, TO_DATE ('01/27/1998' , 'mm/dd/yyyy'),

25, 'Female', '15A, Grove St, Evanston, IL');

END;

/

Begin

add_pt ('Sheldon', 'Cooper', 1212121212, TO_DATE ('02/11/1996' , 'mm/dd/yyyy'),

27, 'Male', '12 Pine St, Evanston, IL');

END;

/

Begin

add_pt ('Raj', 'Chopra', 2233445566, TO_DATE ('08/11/1997' , 'mm/dd/yyyy'),

25, 'Male', 'Apt 4, 100 Teak Ave, Oak Park, IL');

END;

/
```

```
Begin

add_pt ('Ray', 'Holt', 1234567890, TO_DATE ('04/16/1978' , 'mm/dd/yyyy'),

45, 'Male', '20 Acorn Ave, Naperville, IL');

END;

/

select * from patient;

commit;


CREATE OR REPLACE PROCEDURE add_doctor (

HCW_FIRST_NAME IN VARCHAR, HCW_LAST_NAME IN VARCHAR,

HCW_PHONE IN DECIMAL, HCW_DOB IN DATE,

HCW_GENDER IN VARCHAR, HCW_ADDRESS IN VARCHAR,

HCW_DEPARTMENT IN VARCHAR, MEDICAL_LICENSE IN VARCHAR,

TITLE IN VARCHAR)


IS

BEGIN


INSERT INTO HCW (HCW_ID,HCW_FIRST_NAME, HCW_LAST_NAME,

HCW_PHONE, HCW_DOB, HCW_GENDER, HCW_ADDRESS,

HCW_DEPARTMENT)

VALUES (hcw_seq.nextval, HCW_FIRST_NAME, HCW_LAST_NAME,

HCW_PHONE, HCW_DOB, HCW_GENDER, HCW_ADDRESS,

HCW_DEPARTMENT);


INSERT INTO doctor ( HCW_ID, MEDICAL_LICENSE, TITLE)

VALUES (hcw_seq.currval, MEDICAL_LICENSE, TITLE);

END;

/
```

```
BEGIN

add_doctor ('Sandra', 'Coulter',2345234577 ,

TO_DATE ('07/19/1973' , 'mm/dd/yyyy'),

'Female', '14 Toadstool Rd, Deerfield, IL', 'Medicine',

'MD13478', 'Consultant 4');

END;

/

BEGIN

add_doctor ('Tim', 'Baker',7891234577 ,

TO_DATE ('03/11/1978' , 'mm/dd/yyyy'),

'Male', '1500 Parkview Drive, Deerfield, IL', 'Surgery',

'MS9768', 'Surgeon 2');

END;

/

commit;

select * from doctor JOIN HCW ON doctor.hcw_id= hcw.hcw_id;


CREATE OR REPLACE PROCEDURE add_nurse (

HCW_FIRST_NAME IN VARCHAR, HCW_LAST_NAME IN VARCHAR,

HCW_PHONE IN DECIMAL, HCW_DOB IN DATE,

HCW_GENDER IN VARCHAR, HCW_ADDRESS IN VARCHAR,

HCW_DEPARTMENT IN VARCHAR, NURSING_LICENSE IN VARCHAR)

IS

BEGIN

INSERT INTO HCW (HCW_ID,HCW_FIRST_NAME, HCW_LAST_NAME,

HCW_PHONE, HCW_DOB, HCW_GENDER, HCW_ADDRESS,

HCW_DEPARTMENT)

VALUES (hcw_seq.nextval, HCW_FIRST_NAME, HCW_LAST_NAME,

HCW_PHONE, HCW_DOB, HCW_GENDER, HCW_ADDRESS,

HCW_DEPARTMENT);
```

```sql
INSERT INTO nurse ( HCW_ID, NURSING_LICENSE)

VALUES (hcw_seq.currval, NURSING_LICENSE);

END;

/


BEGIN

add_nurse ('George', 'Silver',5262738648 ,

TO_DATE ('06/25/1988' , 'mm/dd/yyyy'),

'Male', '120 Tungsten Rd, Deerfield, IL', 'Surgery',

'RN257');

END;

/


BEGIN

add_nurse ('Jane', 'Gold',4162738911 ,

TO_DATE ('07/21/1988' , 'mm/dd/yyyy'),

'Female', '1405 Tungsten Rd, Deerfield, IL', 'Medicine',

'RN176');

END;

/

commit;

select * from nurse JOIN HCW ON nurse.hcw_id= hcw.hcw_id;


CREATE OR REPLACE PROCEDURE add_AHP (

HCW_FIRST_NAME IN VARCHAR, HCW_LAST_NAME IN VARCHAR,

HCW_PHONE IN DECIMAL, HCW_DOB IN DATE,

HCW_GENDER IN VARCHAR, HCW_ADDRESS IN VARCHAR,

HCW_DEPARTMENT IN VARCHAR, AHP_LICENSE_CERT IN VARCHAR,

AHP_TITLE IN VARCHAR)

IS

BEGIN
```

```sql
INSERT INTO HCW (HCW_ID,HCW_FIRST_NAME, HCW_LAST_NAME,

HCW_PHONE, HCW_DOB, HCW_GENDER, HCW_ADDRESS,

HCW_DEPARTMENT)

VALUES (hcw_seq.nextval, HCW_FIRST_NAME, HCW_LAST_NAME,

HCW_PHONE, HCW_DOB, HCW_GENDER, HCW_ADDRESS,

HCW_DEPARTMENT);


INSERT INTO AHP ( HCW_ID,AHP_LICENSE_CERT, AHP_TITLE)

VALUES (hcw_seq.currval, AHP_LICENSE_CERT, AHP_TITLE);

END;

/


BEGIN

add_ahp ('Troy', 'Drew',3480922072 ,

TO_DATE ('05/07/1994' , 'mm/dd/yyyy'),

'Male', '11 Spruce St, Newfield, IL', 'Surgery',

'PMTT723', 'ER Trauma Paramedic');

END;

/

BEGIN

add_ahp ('Jolly', 'Harper',3480911652 ,

TO_DATE ('05/16/1993' , 'mm/dd/yyyy'),

'Female', '1500 Regent St, Elmhurst, IL', 'Oncology',

'PMO2125', 'Biopsy assistant');

END;

/

BEGIN

add_ahp ('Sunder', 'Pichai',3486711334 ,

TO_DATE ('04/16/1977' , 'mm/dd/yyyy'),

'Male', '147 River St, Elmhurst, IL', 'Hematology',

'PMH374892', 'Lab supervisor');
```

END;

/

commit;

select * from ahp JOIN HCW ON ahp.hcw_id= hcw.hcw_id;


```sql
CREATE OR REPLACE PROCEDURE add_labtech (

HCW_FIRST_NAME IN VARCHAR, HCW_LAST_NAME IN VARCHAR,

HCW_PHONE IN DECIMAL, HCW_DOB IN DATE,

HCW_GENDER IN VARCHAR, HCW_ADDRESS IN VARCHAR,

HCW_DEPARTMENT IN VARCHAR, LABTECH_LICENSE_CERT IN VARCHAR)

IS

BEGIN

INSERT INTO HCW (HCW_ID,HCW_FIRST_NAME, HCW_LAST_NAME,

HCW_PHONE, HCW_DOB, HCW_GENDER, HCW_ADDRESS,

HCW_DEPARTMENT)

VALUES (hcw_seq.nextval, HCW_FIRST_NAME, HCW_LAST_NAME,

HCW_PHONE, HCW_DOB, HCW_GENDER, HCW_ADDRESS,

HCW_DEPARTMENT);

INSERT INTO lab_tech ( HCW_ID, LABTECH_LICENSE_CERT)

VALUES (hcw_seq.currval, LABTECH_LICENSE_CERT);

END;

/

BEGIN

add_labtech ('Robin','Cook',3476122076 ,

TO_DATE ('01/07/1994' , 'mm/dd/yyyy'),

'Male', '1206 Spruce St, Newfield, IL', 'Medicine',

'LTA2723');

END;

/

BEGIN

add_labtech ('Priya','Sharma' ,5862733364 ,
```

```sql
TO_DATE ('11/15/1995' , 'mm/dd/yyyy'),

'Female', '127 Wheaton Dr, Newfield, IL', 'Hematology',

'LTA1429');

END;

/

BEGIN

add_labtech ('Drake','Crew',5869745764 ,

TO_DATE ('12/02/1995' , 'mm/dd/yyyy'),

'Male', '61B Cyprus St, Newfield, IL', 'Oncology',

'LTB23');

END;

/

select * from lab_tech JOIN HCW ON lab_tech.hcw_id= hcw.hcw_id;


CREATE OR REPLACE PROCEDURE add_test (TEST_NAME IN VARCHAR,

TEST_REQUIREMENT IN VARCHAR,TEST_METHOD IN VARCHAR,

TEST_PRICE IN DECIMAL)

IS

BEGIN

INSERT INTO test_codes (Test_ID,test_name,test_requirement,

test_method,test_price)

VALUES (test_seq.nextval, test_name,test_requirement,

test_method,test_price);

commit;

END;

/

BEGIN

add_test ('RBC Count', 'Venous blood', 'Cell counter', 20);

commit;

END;

/
```

```
BEGIN

add_test ('WBC Count', 'Venous blood', 'Cell counter', 20);

commit;

END;

/

BEGIN

add_test ('Complete blood Count', 'Venous blood', 'Cell counter', 60);

commit;

END;

/

BEGIN

add_test ('Platelet Count', 'Venous blood', 'Cell counter', 30);

commit;

END;

/

BEGIN

add_test ('CT SCAN Head and Neck', 'As per notes', 'Fujifilm 128 slice CT scanner', 2300);

commit;

END;

/

BEGIN

add_test ('CT SCAN Body 1', 'As per notes', 'Fujifilm 128 slice CT scanner', 1600);

commit;

END;

/

BEGIN

add_test ('MRI SCAN Head and Neck', 'As per notes + remove all metals',

'Canon 1.5T', 2700);

commit;

END;

/
```

```
BEGIN

add_test ('MRI SCAN Body 1', 'As per notes + remove all metals',

'Canon 1.5T', 1800);

commit;

END;

/

BEGIN

add_test ('MRI SCAN Body 2', 'As per notes + remove all metals',

'Canon 1.5T', 3400);

commit;

END;

/




CREATE OR REPLACE PROCEDURE add_proc (PROCEDURE_NAME IN VARCHAR,

PROCEDURE_REQUIREMENT IN VARCHAR,PROCEDURE_METHOD IN VARCHAR,

PROCEDURE_PRICE IN DECIMAL,IS_INVASIVE IN CHAR)

IS

 BEGIN

INSERT INTO procedure_codes (procedure_id, procedure_name,

procedure_requirement, procedure_method, procedure_price, is_invasive)

VALUES (procedure_seq.nextval, procedure_name,

procedure_requirement, procedure_method, procedure_price, is_invasive);

commit;

END;

/

BEGIN

add_proc ('Dressing', 'Dressing kit', NULL , 300, 'N');

commit;

END;

/
```

```
BEGIN
add_proc ('Stich removal', 'Stich removal kit', NULL , 500, 'N');
commit;
END;
/
BEGIN
add_proc ('Endoscopy', 'Endoscopy kit', 'NPO 8 hours' , 1200, 'Y');
commit;
END;
/
BEGIN
add_proc ('Cardiac Surgery 1', 'Full cardiac OT', 'As per notes' ,
40000, 'Y');
commit;
END;
/
SELECT * FROM procedure_codes;


CREATE OR REPLACE PROCEDURE add_diagnosis (
ICD_CODE IN    VARCHAR, DIAGNOSIS_DESCRIPTION in VARCHAR)
IS
BEGIN
INSERT INTO diagnosis_codes (diagnosis_id,icd_code, diagnosis_description)
VALUES (diagnosis_seq.nextval, icd_code,diagnosis_description);
commit;
END;
/
BEGIN
add_diagnosis ('I342', 'Non rheumatic mitral valave stenosis');
END;
/
```

```sql
BEGIN

add_diagnosis ('I110', 'Essential (primary) hypertension');

END;

/


BEGIN

add_diagnosis ('E1165', 'Type 2 Diabetes mellitus with hyperglycemia');

END;

/


BEGIN

add_diagnosis ('A040', 'Enteropathogenic E.coli infection');

END;

/

BEGIN

add_diagnosis ('C258', 'Malignant neoplasm overlapping areas of Pancreas');

END;

/


select * from diagnosis_codes;


CREATE OR REPLACE PROCEDURE add_vaccine ( DRUG_NAME INVARCHAR,

DRUG_ROUTE IN VARCHAR, VAC_TYPE IN VARCHAR,

DOSE_NUMBER IN DECIMAL, UNIT_PRICE IN DECIMAL)


IS
BEGIN


INSERT INTO med_codes (med_id,drug_name,drug_route)
VALUES (med_seq.nextval,drug_name,drug_route);
```

```sql
INSERT INTO vaccines (med_id,vac_type, dose_number, unit_price)

VALUES (med_seq.currval,vac_type,dose_number,unit_price);


commit;

END;

/


BEGIN

add_vaccine ('Hep B vaccine Engerix B', 'Intramuscular', 'Recombinant', 3, 70);

END;

/

BEGIN

add_vaccine ('MMR', 'Subcutaneous', 'Live attenuated virus', 2, 100);

END;

/

select * from vaccines JOIN med_codes ON vaccines.med_id =med_codes.med_id;


CREATE OR REPLACE PROCEDURE add_pain_med ( DRUG_NAME IN VARCHAR,

DRUG_ROUTE IN VARCHAR, UNIT_PRICE IN DECIMAL, IS_OPIOID IN CHAR)


IS

BEGIN


INSERT INTO med_codes (med_id,drug_name,drug_route)

VALUES (med_seq.nextval,drug_name,drug_route);


INSERT INTO pain_meds (med_id, unit_price, is_opioid)

VALUES (med_seq.currval,unit_price, is_opioid);


commit;

END;
```

```
/

BEGIN

add_pain_med('Zipsor Diclofenac', 'Per oral', 527, 'N');

END;

/

BEGIN

add_pain_med ('Morphine', 'Per oral', 20, 'Y');

END;

/

select * from pain_meds JOIN med_codes

ON pain_meds.med_id =med_codes.med_id;


CREATE OR REPLACE PROCEDURE add_inf_med ( DRUG_NAME IN         VARCHAR,

DRUG_ROUTE IN VARCHAR,BROAD_CATEGORY IN VARCHAR, UNIT_PRICE IN DECIMAL)


IS
BEGIN


INSERT INTO med_codes (med_id,drug_name,drug_route)

VALUES (med_seq.nextval,drug_name,drug_route);


INSERT INTO infection_meds (med_id, broad_category, unit_price)

VALUES (med_seq.currval,broad_category, unit_price);


commit;

END;

/


BEGIN

add_inf_med('Ciproflox', 'Per oral', 'Antibacterial', 11);
```

```sql
END;
/
BEGIN
add_inf_med ('Sporanox Itraconazole', 'Per oral', 'Antifungal', 33);
END;
/


select * from infection_meds JOIN med_codes
ON infection_meds.med_id =med_codes.med_id;


CREATE OR REPLACE PROCEDURE add_chemo ( DRUG_NAME IN VARCHAR,
DRUG_ROUTE IN VARCHAR,BROAD_CATEGORY IN VARCHAR,
CHEMO_NOTES IN VARCHAR, UNIT_PRICE IN DECIMAL)


IS
BEGIN


INSERT INTO med_codes (med_id,drug_name,drug_route)
VALUES (med_seq.nextval,drug_name,drug_route);


INSERT INTO anti_cancer_drugs (med_id, broad_category, chemo_notes, unit_price)
VALUES (med_seq.currval,broad_category,chemo_notes ,unit_price);


commit;
END;
/


BEGIN
add_chemo('Tamoxifen', 'Per oral', 'SERM','Breast cancer',  18);
END;
/
```

```
BEGIN
add_chemo ('Gemcitabine', 'Intravenous', 'Antimetabolite',
'Pancreatic cancer', 140);
END;
/


select * from anti_cancer_drugs JOIN med_codes
ON anti_cancer_drugs.med_id =med_codes.med_id;


CREATE OR REPLACE PROCEDURE add_other_med ( DRUG_NAME IN VARCHAR,
DRUG_ROUTE IN VARCHAR,MED_CATEGORY IN VARCHAR,
MED_NOTES IN VARCHAR, UNIT_PRICE IN DECIMAL)


IS
BEGIN


INSERT INTO med_codes (med_id,drug_name,drug_route)
VALUES (med_seq.nextval,drug_name,drug_route);


INSERT INTO other_meds (med_id, med_category, med_notes, unit_price)
VALUES (med_seq.currval, med_category, med_notes, unit_price);


commit;
END;
/


BEGIN
add_other_med('Ranitidine', 'Per oral', 'H2 blocker','Antacid',  5);
END;
/
BEGIN
```

```
add_other_med ('Cetrizine', 'Per oral', 'Antihistamine',

'Anti allergy', 2);

END;

/


select * from other_meds JOIN med_codes

ON other_meds.med_id =med_codes.med_id;
```