-- Create Admin table

CREATE TABLE Admin (

AdminId NUMBER PRIMARY KEY,

Admin\_Fname VARCHAR2(50),

Admin\_Lname VARCHAR2(50),

Admin\_Email VARCHAR2(100)

);

--Alter table

ALTER TABLE Admin

MODIFY (AdminId VARCHAR2(10));

-- Create sequence for AdminId

CREATE SEQUENCE admin\_id\_seq START WITH 1 INCREMENT BY 1;

CREATE OR REPLACE TRIGGER admin\_id\_trigger

BEFORE INSERT ON Admin

FOR EACH ROW

BEGIN

SELECT 'A' || admin\_id\_seq.NEXTVAL INTO :new.AdminId FROM dual;

END;

/

Select \* from Admin;

-- Create Patient table

CREATE TABLE Patient (

PatientId NUMBER PRIMARY KEY,

Patient\_FName VARCHAR2(50),

Patient\_LName VARCHAR2(50),

Patient\_Email VARCHAR2(100),

Patient\_PhoneNo VARCHAR2(15),

Patient\_Gender VARCHAR2(10)

);

--Alter table

ALTER TABLE Patient

MODIFY (PatientId VARCHAR2(10));

-- Create sequence for PatientId

CREATE SEQUENCE patient\_id\_seq START WITH 1 INCREMENT BY 1;

CREATE OR REPLACE TRIGGER patient\_id\_trigger

BEFORE INSERT ON Patient

FOR EACH ROW

BEGIN

SELECT 'P' || patient\_id\_seq.NEXTVAL INTO :new.PatientId FROM dual;

END;

/

-- Drop the existing trigger and sequence for Patientid

DROP TRIGGER patient\_id\_seq;

DROP SEQUENCE patient\_id\_seq;

-- Create a new sequence for AdminId starting with 'A1'

CREATE SEQUENCE patient\_id\_seq START WITH 1 INCREMENT BY 1;

-- Create Doctor table

CREATE TABLE Doctor (

DoctorId NUMBER PRIMARY KEY,

Doctor\_FName VARCHAR2(50),

Doctor\_LName VARCHAR2(50),

Doctor\_Email VARCHAR2(100),

Doctor\_PhoneNo VARCHAR2(15),

Doctor\_Gender VARCHAR2(10)

);

-- Create sequence for DoctorId

CREATE SEQUENCE doctor\_id\_seq START WITH 1 INCREMENT BY 1;

CREATE OR REPLACE TRIGGER doctor\_id\_trigger

BEFORE INSERT ON Doctor

FOR EACH ROW

BEGIN

SELECT 'D' || doctor\_id\_seq.NEXTVAL INTO :new.DoctorId FROM dual;

END;

/

ALTER TABLE Doctor

MODIFY (DoctorId VARCHAR2(10));

-- Create Medical Records table

CREATE TABLE MedicalRecords (

MRecordId NUMBER PRIMARY KEY,

P\_Age NUMBER,

PHeight NUMBER,

PWeight NUMBER,

LastHBA1CTestDate DATE,

HBA1CLevel NUMBER,

ExerciseFrequency VARCHAR2(50),

ExerciseType VARCHAR2(50),

SugarIntakeFrequency VARCHAR2(50),

OngoingMedications VARCHAR2(1000),

HealthIssues VARCHAR2(1000),

PreferredMeal VARCHAR2(1000)

);

-- Create Doc-Patient table

CREATE TABLE DocPatient (

PatientId VARCHAR2(10),

DoctorId VARCHAR2(10),

CONSTRAINT PK\_DocPatient PRIMARY KEY (PatientId, DoctorId),

CONSTRAINT FK\_DocPatient\_PatientId FOREIGN KEY (PatientId) REFERENCES Patient(PatientId),

CONSTRAINT FK\_DocPatient\_DoctorId FOREIGN KEY (DoctorId) REFERENCES Doctor(DoctorId)

);

--Drop table DocPatient;

-- Create DietPlan table

CREATE TABLE DietPlan (

DP\_id NUMBER PRIMARY KEY,

DietPlan VARCHAR2(3000),

HBA1CLevel NUMBER

);

-- Create LoginTable table

CREATE TABLE LoginTable (

UserName VARCHAR2(50) PRIMARY KEY,

UPassword VARCHAR2(50),

UserType VARCHAR2(20),

UserId NUMBER

);

-- Create FAQ table

CREATE TABLE FAQ (

FAQId NUMBER PRIMARY KEY,

Questions VARCHAR2(1000),

Answers VARCHAR2(2000)

);

-- Sample queries

-- 1. Retrieve all patients for a specific doctor

SELECT \*

FROM Patient

WHERE PatientId IN (SELECT PatientId FROM DocPatient WHERE DoctorId = :DoctorId);

-- 2. Retrieve medical records for a specific patient

SELECT \*

FROM MedicalRecords

WHERE MRecordId IN (SELECT MRecordId FROM DocPatient WHERE PatientId = :PatientId);

-- 3. Update the password for a specific user

UPDATE LoginTable

SET Password = 'new\_password'

WHERE UserName = 'desired\_username';

-- 4. Retrieve all FAQs

SELECT \*

FROM FAQ;

-- 5. Insert a new patient record

INSERT INTO doctor (Doctor\_FName, Doctor\_LName, Doctor\_Email, Doctor\_PhoneNo, Doctor\_Gender)

VALUES ('Ana', 'Max', 'Ana.Max@gmail.com', '123-456-7876', 'Female');

INSERT INTO Patient (Patient\_FName, Patient\_LName, Patient\_Email, Patient\_PhoneNo, Patient\_Gender)

VALUES ('Aniket', 'Singh', 'Ani.Singh@gmail.com', '123-456-7877', 'Male');

--Delete from Admin where AdminId ='A3';

select \* from doctor;

-- 6. Insert Values in Admin Table

INSERT INTO Admin (Admin\_Fname, Admin\_Lname, Admin\_Email)

VALUES ('Yash', 'Diwate', 'Yash.Diwate@gmail.com');

select \* from admin;