2 things in this document:

1. Table creation
2. Data input

**TABLES CREATION: -**

-- Create Insurance Table

CREATE TABLE Insurance (

Insurance\_subscriber\_id NUMBER PRIMARY KEY,

insurance\_provider\_name VARCHAR2(100),

coverage\_type VARCHAR2(50),

amount\_covered NUMBER

);

-- Create Staff Table

CREATE TABLE Staff (

staff\_id NUMBER PRIMARY KEY,

staff\_first\_name VARCHAR2(50),

staff\_last\_name VARCHAR2(50),

staff\_address VARCHAR2(100),

staff\_phone\_number VARCHAR2(20),

staff\_date\_of\_birth DATE,

staff\_salary NUMBER,

staff\_type VARCHAR2(50)

);

-- Create License Table

CREATE TABLE License (

staff\_id NUMBER PRIMARY KEY,

type\_of\_doctor VARCHAR2(50),

license\_id VARCHAR2(50),

license\_validity DATE,

FOREIGN KEY (staff\_id) REFERENCES Staff(staff\_id)

);

-- Create InsuranceBilling Table

CREATE TABLE InsuranceBilling (

Insurance\_subscriber\_id NUMBER REFERENCES Insurance(Insurance\_subscriber\_id),

staff\_id NUMBER REFERENCES Staff(staff\_id),

type\_of\_treatment VARCHAR2(100),

treatment\_date DATE,

amount\_requested NUMBER,

amount\_paid NUMBER,

PRIMARY KEY (Insurance\_subscriber\_id, staff\_id)

);

-- Create Patients Table

CREATE TABLE Patients (

patient\_id NUMBER PRIMARY KEY,

patient\_first\_name VARCHAR2(50),

patient\_last\_name VARCHAR2(50),

patient\_date\_of\_birth DATE,

patient\_address VARCHAR2(100),

patient\_phone\_number VARCHAR2(20),

Insurance\_subscriber\_id NUMBER REFERENCES Insurance(Insurance\_subscriber\_id),

insurance\_provider\_name VARCHAR2(100),

coverage\_type VARCHAR2(50),

scheduling\_state VARCHAR2(50)

);

-- Create Procedures Table

CREATE TABLE Procedures (

procedure\_id NUMBER PRIMARY KEY,

patient\_id NUMBER REFERENCES Patients(patient\_id),

procedure\_type VARCHAR2(50),

procedure\_name VARCHAR2(100),

procedure\_cost NUMBER

);

-- Create Schedule Table

CREATE TABLE Schedule (

appointment\_id NUMBER PRIMARY KEY,

patient\_id NUMBER REFERENCES Patients(patient\_id),

staff\_id NUMBER REFERENCES Staff(staff\_id),

procedure\_id NUMBER REFERENCES Procedures(procedure\_id),

appointment\_date DATE,

appointment\_time TIMESTAMP,

room\_allocation VARCHAR2(20)

);

-- Create Billing Table

CREATE TABLE Billing (

bill\_id NUMBER PRIMARY KEY,

appointment\_id NUMBER REFERENCES Schedule(appointment\_id),

procedure\_id NUMBER REFERENCES Procedures(procedure\_id),

patient\_id NUMBER REFERENCES Patients(patient\_id),

insurance\_subscriber\_id NUMBER REFERENCES Insurance(Insurance\_subscriber\_id),

insurance\_provider\_name VARCHAR2(100),

bill\_date DATE,

coverage\_type VARCHAR2(50),

amount\_owed NUMBER,

amount\_paid\_by\_insurance NUMBER,

amount\_paid\_by\_patient NUMBER

);

-- Create Expenditures Table

CREATE TABLE Expenditures (

exp\_num NUMBER PRIMARY KEY,

staff\_id NUMBER REFERENCES Staff(staff\_id),

exp\_month NUMBER,

exp\_year NUMBER,

type\_of\_expense VARCHAR2(50),

name\_of\_expense VARCHAR2(100),

cost\_of\_expense NUMBER,

due\_date DATE,

paid\_or\_pending VARCHAR2(20)

);

**DATA INPUT:**