**DDL & DML QUERIES**

**--1. First we'll create a Dim\_Incident table**

*CREATE TABLE Dim\_Incident (*

*Incident\_Id VARCHAR2(10),*

*Incident\_name VARCHAR2(100)*

*);*

-- Now we'll insert data into Dim\_Incident table

*INSERT INTO Dim\_Incident (Incident\_Id, Incident\_name) VALUES ('IC1', 'Preterm\_labor');*

*INSERT INTO Dim\_Incident (Incident\_Id, Incident\_name) VALUES ('IC2', 'Food\_poisoning');*

*INSERT INTO Dim\_Incident (Incident\_Id, Incident\_name) VALUES ('IC3', 'Liver\_failure');*

*INSERT INTO Dim\_Incident (Incident\_Id, Incident\_name) VALUES ('IC4', 'Heart\_attack');*

*INSERT INTO Dim\_Incident (Incident\_Id, Incident\_name) VALUES ('IC5', 'Delivery');*

**--2. Now we'll create Dim\_Nursing\_unit table**

*CREATE TABLE Dim\_Nursing\_unit (*

*Nursing\_unit\_Id VARCHAR2(10),*

*Nursing\_unit\_name VARCHAR2(100)*

*);*

-- Now we'll insert data into Dim\_Nursing\_unit table

*INSERT INTO Dim\_Nursing\_unit (Nursing\_unit\_Id, Nursing\_unit\_name) VALUES ('NU1', 'Nursery\_unit');*

*INSERT INTO Dim\_Nursing\_unit (Nursing\_unit\_Id, Nursing\_unit\_name) VALUES ('NU2', 'Recovery\_unit');*

*INSERT INTO Dim\_Nursing\_unit (Nursing\_unit\_Id, Nursing\_unit\_name) VALUES ('NU3', 'Surgical\_unit');*

*INSERT INTO Dim\_Nursing\_unit (Nursing\_unit\_Id, Nursing\_unit\_name) VALUES ('NU4', 'Emergency\_unit');*

**--3. Now we'll create SubDim\_Nursing\_staffs table**

*CREATE TABLE SubDim\_Nursing\_staffs (*

*Nursing\_staff\_Id VARCHAR2(10),*

*Nursing\_unit\_Id VARCHAR2(10),*

*Staff\_type VARCHAR2(50),*

*Staff\_name VARCHAR2(100)*

*);*

-- Insert data into SubDim\_Nursing\_staffs table

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS101', 'NU1', 'Doctor', 'John');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS102', 'NU2', 'Nurse', 'Doe');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS103', 'NU3', 'Nurse', 'Emily');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS104', 'NU4', 'Nurse', 'Jennifer');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS105', 'NU1', 'Doctor', 'David');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS106', 'NU2', 'Nurse', 'Mary');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS107', 'NU3', 'Jr.Surgeon', 'Wilson');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS108', 'NU4', 'Jr.Surgeon', 'Lee');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS109', 'NU1', 'Doctor', 'Robert');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS110', 'NU2', 'Nurse', 'Sara');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS111', 'NU3', 'Surgeon', 'Anderson');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS112', 'NU4', 'Surgeon', 'James');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS113', 'NU1', 'Nurse', 'Lisa');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS114', 'NU1', 'Nurse', 'Jessica');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS115', 'NU1', 'Nurse', 'Maria');*

*INSERT INTO SubDim\_Nursing\_staffs (Nursing\_staff\_Id, Nursing\_unit\_Id, Staff\_type, Staff\_name) VALUES ('NS116', 'NU1', 'Nurse', 'Niki');*

**--4. Now we'll create Dim\_Payer table**

*CREATE TABLE Dim\_Payer (*

*Payer\_type\_Id VARCHAR2(10),*

*Payer\_Type VARCHAR2(100)*

*);*

-- Insert data into Dim\_Payer table

*INSERT INTO Dim\_Payer (Payer\_type\_Id, Payer\_Type) VALUES ('PY1', 'Private insurance');*

*INSERT INTO Dim\_Payer (Payer\_type\_Id, Payer\_Type) VALUES ('PY2', 'Medicare');*

*INSERT INTO Dim\_Payer (Payer\_type\_Id, Payer\_Type) VALUES ('PY3', 'Medicaid');*

*INSERT INTO Dim\_Payer (Payer\_type\_Id, Payer\_Type) VALUES ('PY4', 'Self-pay');*

*INSERT INTO Dim\_Payer (Payer\_type\_Id, Payer\_Type) VALUES ('PY5', 'Uninsured');*

**--5. Now we'll create Dim\_Patient table**

*CREATE TABLE Dim\_Patient (*

*Patient\_Id VARCHAR2(10),*

*Name VARCHAR2(100),*

*Age NUMBER,*

*Gender CHAR(1),*

*Mobile\_No VARCHAR2(15),*

*Address VARCHAR2(255),*

*City VARCHAR2(100),*

*Pincode VARCHAR2(10),*

*State VARCHAR2(100),*

*Country VARCHAR2(100)*

*);*

-- Insert data into Dim\_Patient table

*INSERT INTO Dim\_Patient (Patient\_Id, Name, Age, Gender, Mobile\_No, Address, City, Pincode, State, Country)*

*VALUES ('PT1', 'Taylor Swift', 45, 'F', '7272986589', '123 Main St', 'Townsville', '7789076', 'California', 'USA');*

*INSERT INTO Dim\_Patient (Patient\_Id, Name, Age, Gender, Mobile\_No, Address, City, Pincode, State, Country)*

*VALUES ('PT2', 'Oliver Giroud', 32, 'M', '8987654456', '456 Elm St', 'Cityville', '6673078', 'Kentucky', 'USA');*

*INSERT INTO Dim\_Patient (Patient\_Id, Name, Age, Gender, Mobile\_No, Address, City, Pincode, State, Country)*

*VALUES ('PT3', 'Emma Watson', 68, 'F', '9800876555', '789 Oak St', 'Villageton', '7878895', 'Georgia', 'USA');*

*INSERT INTO Dim\_Patient (Patient\_Id, Name, Age, Gender, Mobile\_No, Address, City, Pincode, State, Country)*

*VALUES ('PT4', 'Lionel Messi', 25, 'M', '8987779084', '101 Pine St', 'Truralville', '6678890', 'Tennessee', 'USA');*

*INSERT INTO Dim\_Patient (Patient\_Id, Name, Age, Gender, Mobile\_No, Address, City, Pincode, State, Country)*

*VALUES ('PT5', 'Cristiano Ronaldo', 52, 'M', '7899074563', '202 Maple St', 'Metropolis', '6674653', 'Colorado', 'USA');*

*INSERT INTO Dim\_Patient (Patient\_Id, Name, Age, Gender, Mobile\_No, Address, City, Pincode, State, Country)*

*VALUES ('PT6', 'Shakira', 40, 'F', '9987788633', '707 Spruce St', 'Citytown', '9987766', 'New Mexico', 'USA');*

*INSERT INTO Dim\_Patient (Patient\_Id, Name, Age, Gender, Mobile\_No, Address, City, Pincode, State, Country)*

*VALUES ('PT7', 'Amelia Richardson', 35, 'F', '8978564434', '505 Willow St', 'Townsberg', '8898767', 'Nevada', 'USA');*

*INSERT INTO Dim\_Patient (Patient\_Id, Name, Age, Gender, Mobile\_No, Address, City, Pincode, State, Country)*

*VALUES ('PT8', 'Neymar Jr.', 29, 'M', '9786667856', '303 Cedar St', 'Countryside', '4546378', 'Arizona', 'USA');*

*INSERT INTO Dim\_Patient (Patient\_Id, Name, Age, Gender, Mobile\_No, Address, City, Pincode, State, Country)*

*VALUES ('PT9', 'Charlotte Flair', 47, 'F', '9887780974', '606 Pine St', 'Louisberg', '9866637', 'Texas', 'USA');*

*INSERT INTO Dim\_Patient (Patient\_Id, Name, Age, Gender, Mobile\_No, Address, City, Pincode, State, Country)*

*VALUES ('PT10', 'Brandi Johnson', 55, 'F', '7766688990', '404 Birch St', 'Citytown', '7899076', 'Florida', 'USA');*

**--6. Now we'll create Admission fact table**

*CREATE TABLE Admission (*

*Admission\_Id VARCHAR2(10),*

*Patient\_Id VARCHAR2(10),*

*Payer\_type\_Id VARCHAR2(10),*

*Pay\_no VARCHAR2(10),*

*Date\_Admit DATE,*

*Date\_of\_Disch DATE,*

*Readmission CHAR(1),*

*Cost\_of\_care NUMBER,*

*Type\_of\_stay VARCHAR2(50),*

*Nursing\_unit\_Id VARCHAR2(10),*

*Incident\_Id VARCHAR2(10)*

*);*

-- Now we'll insert data into Admission fact table

*INSERT INTO Admission (Admission\_Id, Patient\_Id, Payer\_type\_Id, Pay\_no, Date\_Admit, Date\_of\_Disch, Readmission, Cost\_of\_care, Type\_of\_stay, Nursing\_unit\_Id, Incident\_Id)*

*VALUES ('101', 'PT1', 'PY1', '1011', TO\_DATE('8/8/2023', 'MM/DD/YYYY'), TO\_DATE('8/15/2023', 'MM/DD/YYYY'), 'Y', 7000, 'Maternal', 'NU1', 'IC1');*

*INSERT INTO Admission (Admission\_Id, Patient\_Id, Payer\_type\_Id, Pay\_no, Date\_Admit, Date\_of\_Disch, Readmission, Cost\_of\_care, Type\_of\_stay, Nursing\_unit\_Id, Incident\_Id)*

*VALUES ('102', 'PT2', 'PY3', '1012', TO\_DATE('9/17/2023', 'MM/DD/YYYY'), TO\_DATE('9/25/2023', 'MM/DD/YYYY'), 'N', 6000, 'Surgical', 'NU3', 'IC3');*

*INSERT INTO Admission (Admission\_Id, Patient\_Id, Payer\_type\_Id, Pay\_no, Date\_Admit, Date\_of\_Disch, Readmission, Cost\_of\_care, Type\_of\_stay, Nursing\_unit\_Id, Incident\_Id)*

*VALUES ('103', 'PT3', 'PY2', '1013', TO\_DATE('10/29/2023', 'MM/DD/YYYY'), TO\_DATE('11/3/2023', 'MM/DD/YYYY'), 'N', 10000, 'Maternal', 'NU1', 'IC5');*

*INSERT INTO Admission (Admission\_Id, Patient\_Id, Payer\_type\_Id, Pay\_no, Date\_Admit, Date\_of\_Disch, Readmission, Cost\_of\_care, Type\_of\_stay, Nursing\_unit\_Id, Incident\_Id)*

*VALUES ('104', 'PT4', 'PY4', '1014', TO\_DATE('12/3/2023', 'MM/DD/YYYY'), TO\_DATE('12/12/2023', 'MM/DD/YYYY'), 'Y', 9000, 'Surgical', 'NU4', 'IC4');*

*INSERT INTO Admission (Admission\_Id, Patient\_Id, Payer\_type\_Id, Pay\_no, Date\_Admit, Date\_of\_Disch, Readmission, Cost\_of\_care, Type\_of\_stay, Nursing\_unit\_Id, Incident\_Id)*

*VALUES ('105', 'PT5', 'PY5', '1015', TO\_DATE('4/22/2024', 'MM/DD/YYYY'), TO\_DATE('5/2/2024', 'MM/DD/YYYY'), 'Y', 4000, 'Surgical', 'NU3', 'IC3');*

*INSERT INTO Admission (Admission\_Id, Patient\_Id, Payer\_type\_Id, Pay\_no, Date\_Admit, Date\_of\_Disch, Readmission, Cost\_of\_care, Type\_of\_stay, Nursing\_unit\_Id, Incident\_Id)*

*VALUES ('106', 'PT6', 'PY5', '1016', TO\_DATE('3/12/2023', 'MM/DD/YYYY'), TO\_DATE('3/20/2023', 'MM/DD/YYYY'), 'N', 6400, 'Maternal', 'NU1', 'IC5');*

*INSERT INTO Admission (Admission\_Id, Patient\_Id, Payer\_type\_Id, Pay\_no, Date\_Admit, Date\_of\_Disch, Readmission, Cost\_of\_care, Type\_of\_stay, Nursing\_unit\_Id, Incident\_Id)*

*VALUES ('107', 'PT7', 'PY3', '1017', TO\_DATE('5/5/2023', 'MM/DD/YYYY'), TO\_DATE('5/8/2023', 'MM/DD/YYYY'), 'N', 7600, 'Maternal', 'NU1', 'IC1');*

*INSERT INTO Admission (Admission\_Id, Patient\_Id, Payer\_type\_Id, Pay\_no, Date\_Admit, Date\_of\_Disch, Readmission, Cost\_of\_care, Type\_of\_stay, Nursing\_unit\_Id, Incident\_Id)*

*VALUES ('108', 'PT8', 'PY2', '1018', TO\_DATE('6/20/2023', 'MM/DD/YYYY'), TO\_DATE('6/25/2023', 'MM/DD/YYYY'), 'N', 5780, 'Surgical', 'NU3', 'IC3');*

*INSERT INTO Admission (Admission\_Id, Patient\_Id, Payer\_type\_Id, Pay\_no, Date\_Admit, Date\_of\_Disch, Readmission, Cost\_of\_care, Type\_of\_stay, Nursing\_unit\_Id, Incident\_Id)*

*VALUES ('109', 'PT9', 'PY1', '1019', TO\_DATE('1/15/2024', 'MM/DD/YYYY'), TO\_DATE('1/25/2024', 'MM/DD/YYYY'), 'Y', 8720, 'Medical', 'NU2', 'IC2');*

*INSERT INTO Admission (Admission\_Id, Patient\_Id, Payer\_type\_Id, Pay\_no, Date\_Admit, Date\_of\_Disch, Readmission, Cost\_of\_care, Type\_of\_stay, Nursing\_unit\_Id, Incident\_Id)*

*VALUES ('110', 'PT10', 'PY1', '1020', TO\_DATE('3/8/2024', 'MM/DD/YYYY'), TO\_DATE('3/16/2024', 'MM/DD/YYYY'), 'Y', 6800, 'Maternal', 'NU1', 'IC5');*