-- Table Dentist

CREATE TABLE [Dentist]

(

[Dentist\_ID] Int NOT NULL,

[First\_Name] Varchar(20) NOT NULL,

[Last\_Name] Varchar(20) NOT NULL,

[Specialization] Varchar(200) NOT NULL,

[License\_No] Varchar(7) NOT NULL,

[Email\_ID] Varchar(50) NOT NULL,

[Availability] Datetime NOT NULL

)

go

-- Add keys for table Dentist

ALTER TABLE [Dentist] ADD CONSTRAINT [PK\_Dentist] PRIMARY KEY ([Dentist\_ID])

go

SELECT \* FROM Dentist

-- Inserting sample data into Dentist Table

INSERT [dbo].[Dentist] ([Dentist\_ID], [First\_Name], [Last\_Name],

[Specialization], [License\_No],

[Email\_ID], [Availability]) VALUES (1, N'Shobha', N'Pande', N'Orthodontist',

N'A144lj1', N'sp@gmail.com', '2021-12-20 09:00:00')

INSERT [dbo].[Dentist] ([Dentist\_ID], [First\_Name], [Last\_Name],

[Specialization], [License\_No],

[Email\_ID], [Availability]) VALUES (2, N'Sam', N'Kulkarni', N'Orthodontist',

N'B2971km', N'sk@gmail.com', '2021-12-20 12:00:00')

INSERT [dbo].[Dentist] ([Dentist\_ID], [First\_Name], [Last\_Name],

[Specialization], [License\_No],

[Email\_ID], [Availability]) VALUES (3, N'Tanaya', N'Deshmukh', N'Orthodontist',

N'B123ij1', N'td@gmail.com','2021-12-20 15:00:00')

INSERT [dbo].[Dentist] ([Dentist\_ID], [First\_Name], [Last\_Name],

[Specialization], [License\_No],

[Email\_ID], [Availability]) VALUES (4, N'Ramya', N'Kanguri', N'Endodontist',

N'Auh3ij1', N'rk@gmail.com','2021-12-20 18:00:00' )

INSERT [dbo].[Dentist] ([Dentist\_ID], [First\_Name], [Last\_Name],

[Specialization], [License\_No],

[Email\_ID], [Availability]) VALUES (5, N'Shweta', N'Wakale', N'Oral Surgery',

N'A1854B1', N'sw@gmail.com','2021-12-21 09:00:00')

INSERT [dbo].[Dentist] ([Dentist\_ID], [First\_Name], [Last\_Name],

[Specialization], [License\_No],

[Email\_ID], [Availability]) VALUES (6, N'Harsha', N'Rachagiri', N'Endodontist',

N'M343iwe', N'hr@gmail.com','2021-12-21 12:00:00')

INSERT [dbo].[Dentist] ([Dentist\_ID], [First\_Name], [Last\_Name],

[Specialization], [License\_No],

[Email\_ID], [Availability]) VALUES (7, N'Amey', N'Narkhede', N'Endodontist',

N'Q232cmc', N'an@gmail.com','2021-12-21 15:00:00')

INSERT [dbo].[Dentist] ([Dentist\_ID], [First\_Name], [Last\_Name],

[Specialization], [License\_No],

[Email\_ID], [Availability]) VALUES (8, N'Aditya', N'Kulkarni', N'Endodontist',

N'P908iwe', N'ak@gmail.com','2021-12-21 18:00:00')

INSERT [dbo].[Dentist] ([Dentist\_ID], [First\_Name], [Last\_Name],

[Specialization], [License\_No],

[Email\_ID], [Availability]) VALUES (9, N'Janhavi', N'Pawashe', N'Endodontist',

N'K098iwe', N'jp@gmail.com','2021-12-22 09:00:00')

INSERT [dbo].[Dentist] ([Dentist\_ID], [First\_Name], [Last\_Name],

[Specialization], [License\_No],

[Email\_ID], [Availability]) VALUES (10, N'Rashmi', N'Yeole', N'Endodontist',

N'A123iwe', N'ry@gmail.com','2021-12-22 12:00:00')

-- Table Patient

CREATE TABLE [Patient]

(

[Patient\_ID] Int NOT NULL,

[First\_Name] Varchar(70) NOT NULL,

[Last\_Name] Varchar(70) NOT NULL,

[Address] Varchar(200) NOT NULL,

[Birthdate] Date NOT NULL,

[Email\_ID] Varchar(50) NOT NULL,

[Contact\_No] Char(13) NOT NULL,

[Symptoms] Varchar(50) NOT NULL,

[Allergies] Varchar(30) NOT NULL

)

go

-- Add keys for table Patient

ALTER TABLE [Patient] ADD CONSTRAINT [PK\_Patient] PRIMARY KEY ([Patient\_ID])

go

-- Inserting sample data into Patient Table

INSERT [dbo].[Patient] ([Patient\_ID], [First\_Name], [Last\_Name],[Address],[Birthdate], [Email\_ID], [Contact\_No],[Symptoms], [Allergies]) VALUES (01, N'Tejal', N'Patil', N'75 St Alphonsus St', CAST(N'1995-05-12' AS Date), N'TP@ghn', N'+1-1234567891',N'Sensitivity', N'Latex')

INSERT [dbo].[Patient] ([Patient\_ID], [First\_Name], [Last\_Name],[Address],[Birthdate], [Email\_ID], [Contact\_No],[Symptoms], [Allergies]) VALUES (02, N'Ravin', N'Patel', N'95 St Alphonsus St', CAST(N'1994-11-11' AS Date), N'RP@ghn', N'+1-1234567834',N'Toothache', N'Local Anesthetic')

INSERT [dbo].[Patient] ([Patient\_ID], [First\_Name], [Last\_Name],[Address],[Birthdate], [Email\_ID], [Contact\_No],[Symptoms], [Allergies]) VALUES (03, N'Sushmit', N'Joshi', N'35 Tremont St', CAST(N'1993-02-10' AS Date), N'SJ@ghn', N'+1-1234567867',N'Bleeding', N'Contact Dermatitis')

INSERT [dbo].[Patient] ([Patient\_ID], [First\_Name], [Last\_Name],[Address],[Birthdate], [Email\_ID], [Contact\_No],[Symptoms], [Allergies]) VALUES (04, N'Hansraj', N'Nair', N'108 Queensburry St', CAST(N'1992-10-15' AS Date), N'HN@ghn', N'+1-1234567823',N'Sore gums', N'Acrylate')

INSERT [dbo].[Patient] ([Patient\_ID], [First\_Name], [Last\_Name],[Address],[Birthdate], [Email\_ID], [Contact\_No],[Symptoms], [Allergies]) VALUES (05, N'Ankit', N'Deshpande', N'22 Huntington', CAST(N'1991-07-19' AS Date), N'AD@ghn', N'+1-1234567856',N'Jaw pain', N'ormaldehyde')

INSERT [dbo].[Patient] ([Patient\_ID], [First\_Name], [Last\_Name],[Address], [Birthdate], [Email\_ID], [Contact\_No],[Symptoms], [Allergies]) VALUES (06, N'Tahira', N'Khan', N'18 Queensburry St', CAST (N'1990-04-02' AS Date), N'sk@ghn', N'+1-1201207891',N'Sensitivity', N'Sodium metabisulphite' )

INSERT [dbo].[Patient] ([Patient\_ID], [First\_Name], [Last\_Name],[Address], [Birthdate], [Email\_ID], [Contact\_No],[Symptoms], [Allergies]) VALUES (07, N'Shruti', N'Kasar', N'75 St Alphonsus St', CAST (N'2000-02-06' AS Date), N'pop@ghn', N'+1-5237567891',N'Bleeding', N'Nickel')

INSERT [dbo].[Patient] ([Patient\_ID], [First\_Name], [Last\_Name],[Address], [Birthdate], [Email\_ID], [Contact\_No],[Symptoms], [Allergies]) VALUES (08, N'Apurva', N'Lokhande', N'45 Tremont St', CAST(N'2005-09-12' AS Date), N'apu@ghn', N'+1-9534567891',N'Jaw pain', N'NA')

INSERT [dbo].[Patient] ([Patient\_ID], [First\_Name], [Last\_Name],[Address], [Birthdate], [Email\_ID], [Contact\_No],[Symptoms], [Allergies]) VALUES (09, N'Rich', N'Roy',N'457 Huntington', CAST (N'1995-07-05' AS Date), N'oiu@ghn', N'+1-1278567891',N'Sore gums', N'NA')

INSERT [dbo].[Patient] ([Patient\_ID], [First\_Name], [Last\_Name],[Address], [Birthdate], [Email\_ID], [Contact\_No],[Symptoms], [Allergies]) VALUES (10, N'Pankaj', N'Sahani', N'15 St Alphonsus St', CAST (N'1995-09-12' AS Date), N'paks@ghn', N'+1-1234567891',N'Toothache', N'Latex')

SELECT \* FROM Patient

--Table Location

CREATE TABLE [Location]

(

[Location\_ID] Int NOT NULL,

[Street\_Name] Varchar(50) NOT NULL,

[City] Varchar(15) NOT NULL,

[State] Varchar(20) NOT NULL,

[Zip] Int NOT NULL

)

ALTER TABLE [Location] ADD CONSTRAINT [PK\_Location] PRIMARY KEY ([Location\_ID])

go

--Inserting sample data into Location

INSERT [dbo].[Location] ([Location\_ID], [Street\_Name], [City], [State], [Zip]) VALUES (1, N'Tremont Street', N'Boston', N'MA', 2120)

INSERT [dbo].[Location] ([Location\_ID], [Street\_Name], [City], [State], [Zip]) VALUES (2, N'Hungtington Ave', N'Boston', N'MA', 2115)

INSERT [dbo].[Location] ([Location\_ID], [Street\_Name], [City], [State], [Zip]) VALUES (3, N'Richards Street', N'Manhattan', N'NYC', 45215)

INSERT [dbo].[Location] ([Location\_ID], [Street\_Name], [City], [State], [Zip]) VALUES (4, N'Amber Street', N'Boston', N'MA', 457852)

INSERT [dbo].[Location] ([Location\_ID], [Street\_Name], [City], [State], [Zip]) VALUES (5, N'Alphanso Street', N'Manhattan', N'NYC', 45215)

INSERT [dbo].[Location] ([Location\_ID], [Street\_Name], [City], [State], [Zip]) VALUES (6, N'Tango Street', N'Boston', N'MA', 2120)

INSERT [dbo].[Location] ([Location\_ID], [Street\_Name], [City], [State], [Zip]) VALUES (7, N'Parker Street', N'Boston', N'MA', 2120)

INSERT [dbo].[Location] ([Location\_ID], [Street\_Name], [City], [State], [Zip]) VALUES (8, N'Smith Street', N'Manhattan', N'NYC', 45234)

INSERT [dbo].[Location] ([Location\_ID], [Street\_Name], [City], [State], [Zip]) VALUES (9, N'burlington Street', N'Boston', N'MA', 2167)

INSERT [dbo].[Location] ([Location\_ID], [Street\_Name], [City], [State], [Zip]) VALUES (10, N'Roxbury Street', N'Boston', N'MA', 2128)

SELECT \* FROM Location

-- Table Present\_Mouth\_State

CREATE TABLE [Present\_Mouth\_State]

(

[Mouth\_state\_ID] Int NOT NULL,

[Present\_No\_Teeth] Int NOT NULL,

[General\_Mouth\_Condition] Varchar(max) NOT NULL,

[Plaque] Varchar(50) NOT NULL,

[Stains] Varchar(50) NOT NULL,

[Abscess] Varchar(50) NOT NULL,

[Condition\_Of\_Abscesses] Varchar(50)NOT NULL,

[Contact\_Point] Varchar(50)NOT NULL,

[Occlusion] Varchar(20)NOT NULL,

[Patient\_ID] Int NOT NULL

)

go

-- Add keys for table Present\_Mouth\_State

ALTER TABLE [Present\_Mouth\_State] ADD CONSTRAINT [PK\_Present\_Mouth\_State] PRIMARY KEY ([Mouth\_state\_ID])

go

ALTER TABLE Present\_Mouth\_State

ADD FOREIGN KEY (Patient\_ID) REFERENCES Patient(Patient\_ID);

go

SELECT \* FROM Present\_Mouth\_State

--Inserting sample data into Present Mouth State

INSERT [dbo].[Present\_Mouth\_State] ([Mouth\_state\_ID] , [Present\_No\_Teeth], [General\_Mouth\_Condition], [Plaque], [Stains], [Abscess], [Condition\_Of\_Abscesses], [Contact\_Point], [Occlusion], [Patient\_ID])

VALUES (1, 32, N'Presence of dental caries', N'on upper left 4,5,6th teeth', N'no stains', N'present', N'swollen', N'Open Contact area', N'Overbite', 2)

INSERT [dbo].[Present\_Mouth\_State] ([Mouth\_state\_ID] ,[Present\_No\_Teeth], [General\_Mouth\_Condition], [Plaque], [Stains], [Abscess], [Condition\_Of\_Abscesses], [Contact\_Point], [Occlusion], [Patient\_ID])

VALUES (2, 30, N'Plaque is present', N'on upper right 2nd tooth', N'no stains', N'NA', N'NA', N'Open Contact area', N'crossbite', 3)

INSERT [dbo].[Present\_Mouth\_State] ([Mouth\_state\_ID] , [Present\_No\_Teeth],[General\_Mouth\_Condition], [Plaque], [Stains], [Abscess], [Condition\_Of\_Abscesses], [Contact\_Point], [Occlusion], [Patient\_ID])

VALUES (3, 29, N'Over crowding of teeth', N'NA', N'NA', N'Present', N'Spreading', N'Open contact area due to over crowding', N'Crossbite', 1)

INSERT [dbo].[Present\_Mouth\_State] ([Mouth\_state\_ID] , [Present\_No\_Teeth],[General\_Mouth\_Condition], [Plaque], [Stains], [Abscess], [Condition\_Of\_Abscesses], [Contact\_Point], [Occlusion], [Patient\_ID])

VALUES (4, 32, N'No infection on any teeth', N'Present', N'NA', N'NA', N'NA', N'Open Contact Point', N'Overjet', 9)

INSERT [dbo].[Present\_Mouth\_State] ([Mouth\_state\_ID] , [Present\_No\_Teeth],[General\_Mouth\_Condition], [Plaque], [Stains], [Abscess], [Condition\_Of\_Abscesses], [Contact\_Point], [Occlusion], [Patient\_ID])

VALUES (5, 31, N'good', N'Present', N'NA', N'Present', N'Spreading', N'Open contact area due to over crowding', N'Crossbite', 4)

INSERT [dbo].[Present\_Mouth\_State] ([Mouth\_state\_ID] , [Present\_No\_Teeth],[General\_Mouth\_Condition], [Plaque], [Stains], [Abscess], [Condition\_Of\_Abscesses], [Contact\_Point], [Occlusion], [Patient\_ID])

VALUES (6, 32, N'Presence of worn out gums', N'on upper left 4,5,7th teeth', N'stains', N'present', N'swollen', N'Open Contact area', N'Overjet', 5)

INSERT [dbo].[Present\_Mouth\_State] ([Mouth\_state\_ID] , [Present\_No\_Teeth],[General\_Mouth\_Condition], [Plaque], [Stains], [Abscess], [Condition\_Of\_Abscesses], [Contact\_Point], [Occlusion], [Patient\_ID])

VALUES (7, 28, N'Good', N'on upper left 3,6,9th teeth', N'stains', N'present', N'swollen', N'Open Contact area', N'Open Contact Area', 10)

INSERT [dbo].[Present\_Mouth\_State] ([Mouth\_state\_ID] , [Present\_No\_Teeth],[General\_Mouth\_Condition], [Plaque], [Stains], [Abscess], [Condition\_Of\_Abscesses], [Contact\_Point], [Occlusion], [Patient\_ID])

VALUES (8,29, N'Presence of dental caries', N'on upper left 9th teeth', N'stains', N'present', N'swollen', N'Open Contact area', N'Open Contact Area', 8)

INSERT [dbo].[Present\_Mouth\_State] ([Mouth\_state\_ID] , [Present\_No\_Teeth],[General\_Mouth\_Condition], [Plaque], [Stains], [Abscess], [Condition\_Of\_Abscesses], [Contact\_Point], [Occlusion], [Patient\_ID])

VALUES (9,32, N'No infection on any teeth', N'on upper left 4,5,7th teeth', N'stains', N'present', N'swollen', N'Open Contact area', N'Overjet', 6)

INSERT [dbo].[Present\_Mouth\_State] ([Mouth\_state\_ID] , [Present\_No\_Teeth],[General\_Mouth\_Condition], [Plaque], [Stains], [Abscess], [Condition\_Of\_Abscesses], [Contact\_Point], [Occlusion], [Patient\_ID])

VALUES (10,32, N'Over crowding of teeth', N'NA', N'stains', N'present', N'swollen', N'Open Contact area', N'Crossbite', 7)

-- Table Patient\_History

CREATE TABLE [Patient\_History]

(

[Patient\_History\_ID] Int NOT NULL,

[Prior\_mouth\_state] Varchar(10) NOT NULL,

[Prior\_treatment] Varchar(30) NOT NULL,

[Current\_Medication] Varchar(30) NOT NULL,

[Patient\_ID] Int NOT NULL,

[Mouth\_state\_ID] Int NOT NULL,

)

go

ALTER TABLE [Patient\_History] ADD CONSTRAINT [PK\_Patient\_History] PRIMARY KEY ([Patient\_History\_ID])

go

ALTER TABLE Patient\_History

ADD FOREIGN KEY ([Patient\_ID]) REFERENCES Patient([Patient\_ID]),

FOREIGN KEY (Mouth\_state\_ID) REFERENCES Mouth\_state(Mouth\_state\_ID);

SELECT \* FROM Patient\_History

--Inserting sample data into Patient History

INSERT [dbo].[Patient\_History] ([Patient\_History\_ID], [Prior\_mouth\_state],

[Prior\_treatment], [Current\_Medication], [Patient\_ID], [Mouth\_state\_ID]) VALUES (1, N'Crooked', N'Braces',

N'NA', 1, 1)

INSERT [dbo].[Patient\_History] ([Patient\_History\_ID], [Prior\_mouth\_state],

[Prior\_treatment], [Current\_Medication], [Patient\_ID], [Mouth\_state\_ID]) VALUES (2, N'Normal', N'None',

N'NA', 2, 2)

INSERT [dbo].[Patient\_History] ([Patient\_History\_ID], [Prior\_mouth\_state],

[Prior\_treatment], [Current\_Medication], [Patient\_ID], [Mouth\_state\_ID]) VALUES (3, N'Normal', N'Root Canal',

N'NA', 3, 3)

INSERT [dbo].[Patient\_History] ([Patient\_History\_ID], [Prior\_mouth\_state],

[Prior\_treatment], [Current\_Medication], [Patient\_ID], [Mouth\_state\_ID]) VALUES (4, N'Normal', N'None',

N'BPMed', 4, 4)

INSERT [dbo].[Patient\_History] ([Patient\_History\_ID], [Prior\_mouth\_state],

[Prior\_treatment], [Current\_Medication], [Patient\_ID], [Mouth\_state\_ID]) VALUES (5, N'Stained', N'Cleaning',

N'Diabetes', 1, 1)

INSERT [dbo].[Patient\_History] ([Patient\_History\_ID], [Prior\_mouth\_state],

[Prior\_treatment], [Current\_Medication], [Patient\_ID], [Mouth\_state\_ID]) VALUES (6, N'Plaque', N'Cleaning',

N'NA', 6, 6)

INSERT [dbo].[Patient\_History] ([Patient\_History\_ID], [Prior\_mouth\_state],

[Prior\_treatment], [Current\_Medication], [Patient\_ID], [Mouth\_state\_ID]) VALUES (7, N'Abscess', N'None',

N'BPMed', 7, 7)

INSERT [dbo].[Patient\_History] ([Patient\_History\_ID], [Prior\_mouth\_state],

[Prior\_treatment], [Current\_Medication], [Patient\_ID], [Mouth\_state\_ID]) VALUES (8, N'Normal', N'None',

N'NA', 8, 8)

INSERT [dbo].[Patient\_History] ([Patient\_History\_ID], [Prior\_mouth\_state],

[Prior\_treatment], [Current\_Medication], [Patient\_ID], [Mouth\_state\_ID]) VALUES (9, N'Crooked', N'None',

N'NA', 9, 9)

INSERT [dbo].[Patient\_History] ([Patient\_History\_ID], [Prior\_mouth\_state],

[Prior\_treatment], [Current\_Medication], [Patient\_ID], [Mouth\_state\_ID]) VALUES (10, N'Plaque', N'Braces',

N'NA', 10, 10)

-- Table Appointment

CREATE TABLE [Appointment]

(

[Appointment\_ID] Int NOT NULL,

[Date] Date NOT NULL,

[Time] Time NOT NULL,

[Patient\_ID] Int NOT NULL,

[Dentist\_ID] Int NOT NULL,

[Room\_ID] Int NOT NULL,

[Location\_ID] Int NOT NULL,

)

go

SELECT \* FROM Appointment

-- Add keys for table Appointment

ALTER TABLE [Appointment] ADD CONSTRAINT [PK\_Appointment] PRIMARY KEY ([Appointment\_ID])

go

ALTER TABLE Appointment

ADD FOREIGN KEY (Dentist\_ID) REFERENCES Dentist(Dentist\_ID),

FOREIGN KEY (Room\_ID) REFERENCES Room(Room\_ID),

FOREIGN KEY (Patient\_ID) REFERENCES Patient(Patient\_ID),

FOREIGN KEY (Location\_ID) REFERENCES Location(Location\_ID);

--Inserting sample data into Appointment

INSERT [dbo].[Appointment] ([Appointment\_ID], [Date],[Time],[Patient\_ID],[Dentist\_ID],

[Room\_ID], Location\_ID) VALUES (1,N'2019-12-12', N'10:45:00', 1, 1,1,1)

INSERT [dbo].[Appointment] ([Appointment\_ID], [Date],[Time],[Patient\_ID],[Dentist\_ID],

[Room\_ID], Location\_ID) VALUES (2,N'2019-12-13', N'09:45:00', 2,2,2,2)

INSERT [dbo].[Appointment] ([Appointment\_ID], [Date],[Time],[Patient\_ID],[Dentist\_ID],

[Room\_ID], Location\_ID) VALUES (3,N'2019-12-13', N'15:45:00', 3,3,3,3)

INSERT [dbo].[Appointment] ([Appointment\_ID], [Date],[Time],[Patient\_ID],[Dentist\_ID],

[Room\_ID], Location\_ID) VALUES (4,N'2019-12-13', N'16:45:00', 4,4,4,4)

INSERT [dbo].[Appointment] ([Appointment\_ID], [Date],[Time],[Patient\_ID],[Dentist\_ID],

[Room\_ID], Location\_ID) VALUES (5,N'2019-12-13', N'17:45:00', 5,5,5,5)

INSERT [dbo].[Appointment] ([Appointment\_ID], [Date],[Time],[Patient\_ID],[Dentist\_ID],

[Room\_ID], Location\_ID) VALUES (6,N'2019-12-13', N'20:45:00', 6,6,6,6)

INSERT [dbo].[Appointment] ([Appointment\_ID], [Date],[Time],[Patient\_ID],[Dentist\_ID],

[Room\_ID], Location\_ID) VALUES (7,N'2019-12-14', N'15:45:00', 7,7,7,7)

INSERT [dbo].[Appointment] ([Appointment\_ID], [Date],[Time],[Patient\_ID],[Dentist\_ID],

[Room\_ID], Location\_ID) VALUES (8,N'2019-12-14', N'18:45:00',8,8,8,8)

INSERT [dbo].[Appointment] ([Appointment\_ID], [Date],[Time],[Patient\_ID],[Dentist\_ID],

[Room\_ID], Location\_ID) VALUES (9,N'2019-12-15', N'10:45:00', 9,9,9,9)

INSERT [dbo].[Appointment] ([Appointment\_ID], [Date],[Time],[Patient\_ID],[Dentist\_ID],

[Room\_ID], Location\_ID) VALUES (10,N'2019-12-15', N'15:45:00',10,10,10,10)

--Table Prescription

CREATE TABLE [Prescription]

(

[Prescription\_ID] Int NOT NULL,

[Patient\_ID] Int NOT NULL,

[Dentist\_ID] Int NOT NULL,

[Appointment\_ID] Int NOT NULL,

[Prescription\_Details] Varchar(max) NOT NULL

)

go

-- Add keys for table Prescription

ALTER TABLE [Prescription] ADD CONSTRAINT [PK\_Prescription] PRIMARY KEY ([Prescription\_ID])

go

ALTER TABLE Prescription

ADD FOREIGN KEY (Dentist\_ID) REFERENCES Dentist(Dentist\_ID),

FOREIGN KEY (Appointment\_ID) REFERENCES Appointment(Appointment\_ID),

FOREIGN KEY (Patient\_ID) REFERENCES Patient(Patient\_ID);

SELECT \* FROM Prescription

--Inserting sample data into Prescription

INSERT [dbo].[Prescription] ([Prescription\_ID], [Patient\_ID],[Dentist\_ID],[Appointment\_ID],

[Prescription\_Details]) VALUES (1, 1, 1, 1, N'Peridex')

INSERT [dbo].[Prescription] ([Prescription\_ID], [Patient\_ID],[Dentist\_ID],[Appointment\_ID],

[Prescription\_Details]) VALUES (2, 2, 2, 2, N'Clorhex')

INSERT [dbo].[Prescription] ([Prescription\_ID], [Patient\_ID],[Dentist\_ID],[Appointment\_ID],

[Prescription\_Details]) VALUES (3, 3, 3, 3, N'Listerine')

INSERT [dbo].[Prescription] ([Prescription\_ID], [Patient\_ID],[Dentist\_ID],[Appointment\_ID],

[Prescription\_Details]) VALUES (4,4, 4, 4, N'Fluoride')

INSERT [dbo].[Prescription] ([Prescription\_ID], [Patient\_ID],[Dentist\_ID],[Appointment\_ID],

[Prescription\_Details]) VALUES (5, 5, 5, 5, N'Salagen')

INSERT [dbo].[Prescription] ([Prescription\_ID], [Patient\_ID],[Dentist\_ID],[Appointment\_ID],

[Prescription\_Details]) VALUES (6, 6, 6, 6, N'Tetracycline')

INSERT [dbo].[Prescription] ([Prescription\_ID], [Patient\_ID],[Dentist\_ID],[Appointment\_ID],

[Prescription\_Details]) VALUES (7, 7, 7, 7, N'Candida')

INSERT [dbo].[Prescription] ([Prescription\_ID], [Patient\_ID],[Dentist\_ID],[Appointment\_ID],

[Prescription\_Details]) VALUES (8, 8, 8, 8, N'Antifungal')

INSERT [dbo].[Prescription] ([Prescription\_ID], [Patient\_ID],[Dentist\_ID],[Appointment\_ID],

[Prescription\_Details]) VALUES (9, 9, 9, 9, N'amoxicillin')

INSERT [dbo].[Prescription] ([Prescription\_ID], [Patient\_ID],[Dentist\_ID],[Appointment\_ID],

[Prescription\_Details]) VALUES (10, 10, 10, 10, N'Oralone')

--Table Dentist Schedule

CREATE TABLE [Dentist\_Schedule]

(

[Dentist\_ID] Int NOT NULL,

[Patient\_ID] Int NOT NULL,

[Room\_ID] Int NOT NULL,

[Time] Time NOT NULL,

[Treatment\_ID] Int NOT NULL

)

go

SELECT \* FROM Dentist\_Schedule

-- Add keys for table Dentist\_Schedule

ALTER TABLE Dentist\_Schedule

ADD FOREIGN KEY (Dentist\_ID) REFERENCES Dentist(Dentist\_ID),

FOREIGN KEY (Patient\_ID) REFERENCES Patient(Patient\_ID),

FOREIGN KEY (Room\_ID) REFERENCES Room(Room\_ID),

FOREIGN KEY (Treatment\_ID) REFERENCES Treatment(Treatment\_ID);

--Inserting sample data into Dentist\_Schedule

INSERT [dbo].[Dentist\_Schedule] ([Dentist\_ID],[Patient\_ID],[Room\_ID],[Time],[Treatment\_ID]) VALUES (1, 1, 1, N'10:45:00', 1)

INSERT [dbo].[Dentist\_Schedule] ([Dentist\_ID],[Patient\_ID],[Room\_ID],[Time],[Treatment\_ID]) VALUES (2, 2, 2, N'11:45:00', 2)

INSERT [dbo].[Dentist\_Schedule] ([Dentist\_ID],[Patient\_ID],[Room\_ID],[Time],[Treatment\_ID]) VALUES (3, 3, 3, N'12:45:00', 3)

INSERT [dbo].[Dentist\_Schedule] ([Dentist\_ID],[Patient\_ID],[Room\_ID],[Time],[Treatment\_ID]) VALUES (4, 4, 4, N'15:45:00', 4)

INSERT [dbo].[Dentist\_Schedule] ([Dentist\_ID],[Patient\_ID],[Room\_ID],[Time],[Treatment\_ID]) VALUES (5, 5, 5, N'16:45:00', 5)

INSERT [dbo].[Dentist\_Schedule] ([Dentist\_ID],[Patient\_ID],[Room\_ID],[Time],[Treatment\_ID]) VALUES (6, 6, 6, N'18:45:00', 6)

INSERT [dbo].[Dentist\_Schedule] ([Dentist\_ID],[Patient\_ID],[Room\_ID],[Time],[Treatment\_ID]) VALUES (7, 7, 7, N'20:45:00', 7)

INSERT [dbo].[Dentist\_Schedule] ([Dentist\_ID],[Patient\_ID],[Room\_ID],[Time],[Treatment\_ID]) VALUES (8, 8, 8, N'21:45:00', 8)

INSERT [dbo].[Dentist\_Schedule] ([Dentist\_ID],[Patient\_ID],[Room\_ID],[Time],[Treatment\_ID]) VALUES (9, 9, 9, N'22:45:00', 9)

INSERT [dbo].[Dentist\_Schedule] ([Dentist\_ID],[Patient\_ID],[Room\_ID],[Time],[Treatment\_ID]) VALUES (10, 10, 10, N'09:45:00', 10)

--Table Equipment

CREATE TABLE [Equipment]

(

[Equipment\_ID] Int NOT NULL,

[Equipment\_Description] Varchar(max) NOT NULL,

[Equipment\_Price] Float NOT NULL,

[Maintenance\_Date] Date NOT NULL,

[Warranty] Int NOT NULL,

[Room\_ID] Int NOT NULL

)

go

SELECT \* FROM Equipment

-- Add keys for table Equipment

ALTER TABLE [Equipment] ADD CONSTRAINT [PK\_Equipment] PRIMARY KEY ([Equipment\_ID])

go

ALTER TABLE Equipment

ADD FOREIGN KEY (Room\_ID) REFERENCES Room(Room\_ID)

--Inserting sample data into Equipment

INSERT [dbo].[Equipment] ([Equipment\_ID], [Equipment\_Description],

[Equipment\_Price], [Maintenance\_Date], [Warranty], [Room\_ID]) VALUES (1,

N'CAD/CAM-Used improve the design and creation of dental restorations' ,

78000, N'2018-10-09', 5, 1)

INSERT [dbo].[Equipment] ([Equipment\_ID], [Equipment\_Description],

[Equipment\_Price], [Maintenance\_Date], [Warranty], [Room\_ID]) VALUES (2,

N'Dental diamond-Used to grind away tooth tissue, usually enamel' , 5000,

'2017-06-07', 3, 2)

INSERT [dbo].[Equipment] ([Equipment\_ID], [Equipment\_Description],

[Equipment\_Price], [Maintenance\_Date], [Warranty], [Room\_ID]) VALUES (3,

N'Evacuator-Used to remove excess fluid from mouth during the

treatment', 10000, '2019-12-02' , 2, 3)

INSERT [dbo].[Equipment] ([Equipment\_ID], [Equipment\_Description],

[Equipment\_Price], [Maintenance\_Date], [Warranty], [Room\_ID]) VALUES (4,

N'Dental finishing discs-Used to finish and polish both direct and

indirect dental restorations', 15000, N'2016-06-05', 3, 4)

INSERT [dbo].[Equipment] ([Equipment\_ID], [Equipment\_Description],

[Equipment\_Price], [Maintenance\_Date], [Warranty], [Room\_ID]) VALUES (5,

N'Impression Tray-Used to take impression of the teeth' , 500, N'2015-09-09', 0, 5)

INSERT [dbo].[Equipment] ([Equipment\_ID], [Equipment\_Description],

[Equipment\_Price], [Maintenance\_Date], [Warranty], [Room\_ID]) VALUES (6,

N'Matrix Application-Used to to prevent extrusion of restorative

materials into gingival tissues', 2500, N'2016-11-07' , 1, 6)

INSERT [dbo].[Equipment] ([Equipment\_ID], [Equipment\_Description],

[Equipment\_Price], [Maintenance\_Date], [Warranty], [Room\_ID]) VALUES (7,

N'Dental Chair-serves as a source of mechanical or pneumatic power for

one or more handpieces', 5000, N'2014-03-07', 8, 7)

INSERT [dbo].[Equipment] ([Equipment\_ID], [Equipment\_Description],

[Equipment\_Price], [Maintenance\_Date], [Warranty], [Room\_ID]) VALUES (8,

N'Hygiene workstation-Used to maintain dental hygiene at the time of

treatment', 4000, N'2019-04-08', 5, 8)

INSERT [dbo].[Equipment] ([Equipment\_ID], [Equipment\_Description],

[Equipment\_Price], [Maintenance\_Date], [Warranty], [Room\_ID]) VALUES (9,

N'Calculus remover-used to remove dental calculus', 400, N'2012-11-11', 4, 9)

INSERT [dbo].[Equipment] ([Equipment\_ID], [Equipment\_Description],

[Equipment\_Price], [Maintenance\_Date], [Warranty], [Room\_ID]) VALUES (10,

N'Teeth scrapper-Effectively removes plaque, tartar, and stains to keep

teeth white.', 350, N'2013-02-02' , 2, 10)

--Table Supplies

CREATE TABLE [Supplies]

(

[Supply\_ID] Int NOT NULL,

[Item\_Name] Varchar(30) NOT NULL,

[Item\_Price] Float NULL,

[Purchase\_Date] Date NOT NULL,

[Quantity] Int NOT NULL,

[Location\_ID] Int NOT NULL

)

go

-- Add keys for table Supplies

ALTER TABLE [Supplies] ADD CONSTRAINT [PK\_Supplies] PRIMARY KEY ([Supply\_ID])

go

ALTER TABLE Supplies

ADD FOREIGN KEY (Location\_ID) REFERENCES Location(Location\_ID)

--Inserting sample data into Supplies

INSERT [dbo].[Supplies] ([Supply\_ID], [Item\_Name], [Item\_Price], [Purchase\_Date],

[Quantity], [Location\_ID]) VALUES (1, N'Gloves', 12, N'2019-11-12', 52, 1)

INSERT [dbo].[Supplies] ([Supply\_ID], [Item\_Name], [Item\_Price], [Purchase\_Date],

[Quantity], [Location\_ID]) VALUES (2, N'Bonding Agent', 755, N'2018-02-20', 5, 2)

INSERT [dbo].[Supplies] ([Supply\_ID], [Item\_Name], [Item\_Price], [Purchase\_Date],

[Quantity], [Location\_ID]) VALUES (3, N'Gloves', 12, N'2019-11-12', 52, 3)

INSERT [dbo].[Supplies] ([Supply\_ID], [Item\_Name], [Item\_Price], [Purchase\_Date],

[Quantity], [Location\_ID]) VALUES (4, N'Dental Cement', 55, N'2018-02-05', 5, 4)

INSERT [dbo].[Supplies] ([Supply\_ID], [Item\_Name], [Item\_Price], [Purchase\_Date],

[Quantity], [Location\_ID]) VALUES (5, N'Dental Clips', 45, N'2019-06-15', 12, 5)

INSERT [dbo].[Supplies] ([Supply\_ID], [Item\_Name], [Item\_Price], [Purchase\_Date],

[Quantity], [Location\_ID]) VALUES (6, N'Dental Glue', 55, N'2016-06-12', 55, 6)

INSERT [dbo].[Supplies] ([Supply\_ID], [Item\_Name], [Item\_Price], [Purchase\_Date],

[Quantity], [Location\_ID]) VALUES (7, N'Dental Glue', 55, N'2016-06-12', 41, 7)

INSERT [dbo].[Supplies] ([Supply\_ID], [Item\_Name], [Item\_Price], [Purchase\_Date],

[Quantity], [Location\_ID]) VALUES (8, N'Curette', 60, N'2016-06-12', 6, 8)

INSERT [dbo].[Supplies] ([Supply\_ID], [Item\_Name], [Item\_Price], [Purchase\_Date],

[Quantity], [Location\_ID]) VALUES (9, N'Dental Gel', 95, N'2016-06-12', 74, 9)

INSERT [dbo].[Supplies] ([Supply\_ID], [Item\_Name], [Item\_Price], [Purchase\_Date],

[Quantity], [Location\_ID]) VALUES (10, N'Scissors', 10, N'2016-06-12', 22, 10)

SELECT \* FROM Supplies

--Table Room

CREATE TABLE [Room]

(

[Room\_ID] Int NOT NULL,

[Features] Varchar(max) NULL,

[Location\_ID] Int NULL,

[Room\_start] Time NOT NULL,

[Room\_end] Time NOT NULL

)

go

ALTER TABLE [Room] ADD CONSTRAINT [PK\_Room] PRIMARY KEY ([Room\_ID])

go

ALTER TABLE Room

ADD FOREIGN KEY (Location\_ID) REFERENCES Location(Location\_ID)

go

-- Inserting sample data in room table

INSERT [dbo].[Room] ([Room\_ID], [Features], [Location\_ID],[Room\_start],[Room\_end]) VALUES (1, N'good',2,'10 AM','4 PM')

INSERT [dbo].[Room] ([Room\_ID], [Features], [Location\_ID],[Room\_start],[Room\_end]) VALUES (2, N'better',3,'11 AM','5 PM')

INSERT [dbo].[Room] ([Room\_ID], [Features], [Location\_ID],[Room\_start],[Room\_end]) VALUES (3, N'equipped',4,'11 AM','5 PM')

INSERT [dbo].[Room] ([Room\_ID], [Features], [Location\_ID],[Room\_start],[Room\_end]) VALUES (4, N'better',5, '11 AM','5 PM')

INSERT [dbo].[Room] ([Room\_ID], [Features], [Location\_ID],[Room\_start],[Room\_end]) VALUES (5, N'good',6,'09 AM','5 PM')

INSERT [dbo].[Room] ([Room\_ID], [Features], [Location\_ID],[Room\_start],[Room\_end]) VALUES (6, N'equipped',7,'09 AM','4 PM')

INSERT [dbo].[Room] ([Room\_ID], [Features], [Location\_ID],[Room\_start],[Room\_end]) VALUES (7, N'better',8,'11 AM','5 PM')

INSERT [dbo].[Room] ([Room\_ID], [Features], [Location\_ID],[Room\_start],[Room\_end]) VALUES (8, N'good',9,'10 AM','6 PM')

INSERT [dbo].[Room] ([Room\_ID], [Features], [Location\_ID],[Room\_start],[Room\_end]) VALUES (9, N'better',10,'11 AM','5 PM')

INSERT [dbo].[Room] ([Room\_ID], [Features], [Location\_ID],[Room\_start],[Room\_end]) VALUES (10, N'better',1,'09 AM','4 PM')

SELECT \* FROM Room

--Table Address

CREATE TABLE [Address]

(

[Address\_ID] Int NOT NULL,

[Street\_Name1] Varchar(50) NOT NULL,

[Street\_Name2] Varchar(50),

[City1] Varchar(15) NOT NULL,

[City2] Varchar(15),

[State1] Varchar(20) NOT NULL,

[State2] Varchar(20) NOT NULL,

[Zipcode1] Int NOT NULL,

[Zipcode2] Int

)

go

ALTER TABLE [Address] ADD CONSTRAINT [PK\_Address] PRIMARY KEY ([Address\_ID])

go

SELECT \* FROM Address

--Inserting sample data into Address

INSERT [dbo].[Address] ([Address\_ID], [Street\_Name1], [Street\_Name2],

[City1], [City2], [State1], [State2], [ZipCode1], [ZipCode2]) VALUES (1,

N'1451 Tremont Street', N'11 Alphanso Street', N'Boston', N'Gainsville',

N'Massachusetts', N'Florida', 2120, 20152)

INSERT [dbo].[Address] ([Address\_ID], [Street\_Name1], [Street\_Name2],

[City1], [City2], [State1], [State2], [ZipCode1], [ZipCode2]) VALUES (2,

N'223 Bolyston Street', N'234 Mission Hill', N'Boston', N'Buffalo',

N'Massachusetts', N'New York', 5214, 2115)

INSERT [dbo].[Address] ([Address\_ID], [Street\_Name1], [Street\_Name2],

[City1], [City2], [State1], [State2], [ZipCode1], [ZipCode2]) VALUES (3, N'26

Smith Street', N'123E Tremont Street', N'Boston', N'Boston',

N'Massachusetts', N'Massachusetts', 12054, 2152)

INSERT [dbo].[Address] ([Address\_ID], [Street\_Name1], [Street\_Name2],

[City1], [City2], [State1], [State2], [ZipCode1], [ZipCode2]) VALUES (4,

N'2314 Longwoods street', N'12 Huntington Av.', N'Albany', N'Boston', N'New

York', N'Massachusetts', 20145, 21054)

INSERT [dbo].[Address] ([Address\_ID], [Street\_Name1], [Street\_Name2],

[City1], [City2], [State1], [State2], [ZipCode1], [ZipCode2]) VALUES (5, N'85

Pine Street', N'234 Elm Street', N'Syracuse', N'Buffalo', N'New York', N'New

York', 20145, 2120)

INSERT [dbo].[Address] ([Address\_ID], [Street\_Name1], [Street\_Name2],

[City1], [City2], [State1], [State2], [ZipCode1], [ZipCode2]) VALUES (6,

N'145 Maple Street', N'11 Washinton Street', N'Boston', N'Gainsville',

N'Massachusetts', N'Florida', 2120, 2154)

INSERT [dbo].[Address] ([Address\_ID], [Street\_Name1], [Street\_Name2],

[City1], [City2], [State1], [State2], [ZipCode1], [ZipCode2]) VALUES (7,

N'683 Cedar Street', N'234 Mission Hill', N'Boston', N'Buffalo',

N'Massachusetts', N'New York', 2120, 20145)

INSERT [dbo].[Address] ([Address\_ID], [Street\_Name1], [Street\_Name2],

[City1], [City2], [State1], [State2], [ZipCode1], [ZipCode2]) VALUES (8, N'26

View Street', N'123E Lake Street', N'Boston', N'Boston', N'Massachusetts',

N'Massachusetts', 2115, 2120)

INSERT [dbo].[Address] ([Address\_ID], [Street\_Name1], [Street\_Name2],

[City1], [City2], [State1], [State2], [ZipCode1], [ZipCode2]) VALUES (9,

N'2314 Longwoods street', N'NA', N'Albany', N'NA', N'New York', N'NA', 20145,

0)

INSERT [dbo].[Address] ([Address\_ID], [Street\_Name1], [Street\_Name2],

[City1], [City2], [State1], [State2], [ZipCode1], [ZipCode2]) VALUES (10,

N'85 Pine Street', N'NA', N'Syracuse', N'NA', N'New York', N'NA', 20145, 0)

--Table Patient Address

CREATE TABLE [Patient\_Address]

(

[Patient\_ID] Int NOT NULL,

[Address\_ID] Int NOT NULL

)

go

ALTER TABLE Patient\_Address

ADD FOREIGN KEY (Patient\_ID) REFERENCES Patient(Patient\_ID),

FOREIGN KEY (Address\_ID) REFERENCES Address(Address\_ID)

go

SELECT \* FROM Patient\_Address

--Inserting sample data into Patient Address

INSERT [dbo].[Patient\_Address] ([Patient\_ID], [Address\_ID]) VALUES (1, 3)

INSERT [dbo].[Patient\_Address] ([Patient\_ID], [Address\_ID]) VALUES (2, 5)

INSERT [dbo].[Patient\_Address] ([Patient\_ID], [Address\_ID]) VALUES (3, 1)

INSERT [dbo].[Patient\_Address] ([Patient\_ID], [Address\_ID]) VALUES (4, 2)

INSERT [dbo].[Patient\_Address] ([Patient\_ID], [Address\_ID]) VALUES (5, 4)

INSERT [dbo].[Patient\_Address] ([Patient\_ID], [Address\_ID]) VALUES (6, 7)

INSERT [dbo].[Patient\_Address] ([Patient\_ID], [Address\_ID]) VALUES (7, 8)

INSERT [dbo].[Patient\_Address] ([Patient\_ID], [Address\_ID]) VALUES (8, 9)

INSERT [dbo].[Patient\_Address] ([Patient\_ID], [Address\_ID]) VALUES (9, 10)

INSERT [dbo].[Patient\_Address] ([Patient\_ID], [Address\_ID]) VALUES (10, 6)

-- Table Problem Catalog

CREATE TABLE [Problem\_Catalog]

(

[Problem\_ID] Int NOT NULL,

[Problem\_Name] Varchar(200) NOT NULL

)

go

-- Add keys for table Problem\_Catalog

ALTER TABLE [Problem\_Catalog] ADD CONSTRAINT [PK\_Problem\_Catalog] PRIMARY KEY ([Problem\_ID])

go

--Inserting sample data in Table Problem\_Catalog

INSERT [dbo].[Problem\_Catalog] ([Problem\_ID], [Problem\_Name]) VALUES (1, N'Toothache')

INSERT [dbo].[Problem\_Catalog] ([Problem\_ID], [Problem\_Name]) VALUES (2, N'Infection at the tooth')

INSERT [dbo].[Problem\_Catalog] ([Problem\_ID], [Problem\_Name]) VALUES (3, N'broken tooth')

INSERT [dbo].[Problem\_Catalog] ([Problem\_ID], [Problem\_Name]) VALUES (4, N'Swollen Gums')

INSERT [dbo].[Problem\_Catalog] ([Problem\_ID], [Problem\_Name]) VALUES (5, N'Sensetive Teeth')

INSERT [dbo].[Problem\_Catalog] ([Problem\_ID], [Problem\_Name]) VALUES (6, N'Tooth Decay')

INSERT [dbo].[Problem\_Catalog] ([Problem\_ID], [Problem\_Name]) VALUES (7, N'Tooth Infection')

INSERT [dbo].[Problem\_Catalog] ([Problem\_ID], [Problem\_Name]) VALUES (8, N'Toothache')

INSERT [dbo].[Problem\_Catalog] ([Problem\_ID], [Problem\_Name]) VALUES (9, N'Yellow teeth')

INSERT [dbo].[Problem\_Catalog] ([Problem\_ID], [Problem\_Name]) VALUES (10, N'Swollen gums')

SELECT \* FROM Problem\_Catalog

-- Table Tooth

CREATE TABLE [Tooth]

(

[Tooth\_ID] Int NOT NULL,

[Tooth\_Description] Varchar(max) NOT NULL

)

go

-- Add keys for table Tooth

ALTER TABLE [Tooth] ADD CONSTRAINT [PK\_Tooth] PRIMARY KEY ([Tooth\_ID])

go

--Inserting sample data into Tooth

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'1', N'Upper Right Third Molar')

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'10', N'Upper Left Lateral')

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'11', N'Upper Left Cupsid')

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'12', N'Upper Left First Bicuspid')

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'13', N'Upper Left Second Bicuspid')

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'14', N'Upper Left First Molar')

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'15', N'Upper Left Second Molar')

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'16', N'Upper Left Third Molar')

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'17', N'Lower Left Third Molar')

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'18', N'Lower Left Second Molar')

INSERT [dbo].[Tooth] ([Tooth\_ID], [Tooth\_Description]) VALUES

(N'19', N'Lower Left First Molar')

SELECT \* FROM Tooth

-- Table Problem\_Detected

CREATE TABLE [Problem\_Detected]

(

[Problem\_Detected\_ID] Int NOT NULL,

[Treatment\_ID] Int NULL,

[Tooth\_ID] Int NOT NULL,

[Problem\_ID] Int NOT NULL,

[Appointment\_ID] Int NULL,

[Dentist\_ID] Int NULL,

[Patient\_ID] Int NULL,

[Room\_ID] Int NULL

)

CREATE INDEX [IX\_Relationship11] ON [Problem\_Detected] ([Treatment\_ID])

go

CREATE INDEX [IX\_Relationship13] ON [Problem\_Detected] ([Tooth\_ID])

go

CREATE INDEX [IX\_Relationship1] ON [Problem\_Detected] ([Appointment\_ID],[Dentist\_ID],[Patient\_ID],[Room\_ID])

go

-- Add keys for table Problem\_Detected

ALTER TABLE [Problem\_Detected] ADD CONSTRAINT [PK\_Problem\_Detected] PRIMARY KEY ([Problem\_Detected\_ID],[Problem\_ID])

go

ALTER TABLE Problem\_Detected

ADD

FOREIGN KEY (Treatment\_ID) REFERENCES Treatment(Treatment\_ID),

FOREIGN KEY (Tooth\_ID) REFERENCES Tooth(Tooth\_ID),

FOREIGN KEY (Problem\_ID) REFERENCES Problem\_catalog(Problem\_ID),

FOREIGN KEY (Appointment\_ID) REFERENCES Appointment(Appointment\_ID),

FOREIGN KEY (Dentist\_ID) REFERENCES Dentist(Dentist\_ID),

FOREIGN KEY (Patient\_ID) REFERENCES Patient(Patient\_ID),

FOREIGN KEY (Room\_ID) REFERENCES Room(Room\_ID);

SELECT \* FROM Problem\_Detected

DELETE FROM Problem\_Detected WHERE Problem\_Detected\_ID=1

--Inserting sample data into Problem Detected

INSERT [dbo].[Problem\_Detected] ([Problem\_Detected\_ID], [Treatment\_ID], [Tooth\_ID], [Problem\_ID], [Appointment\_ID], [Dentist\_ID],

[Patient\_ID], [Room\_ID]) VALUES (1, 3, 10, 4, 10, 10, 8, 5)

INSERT [dbo].[Problem\_Detected] ([Problem\_Detected\_ID], [Treatment\_ID], [Tooth\_ID], [Problem\_ID], [Appointment\_ID], [Dentist\_ID],

[Patient\_ID], [Room\_ID]) VALUES (2, 2,11, 2, 2, 2, 2, 2)

INSERT [dbo].[Problem\_Detected] ([Problem\_Detected\_ID], [Treatment\_ID], [Tooth\_ID], [Problem\_ID], [Appointment\_ID], [Dentist\_ID],

[Patient\_ID], [Room\_ID]) VALUES (3, 3, 1, 3, 3, 3, 3, 3)

INSERT [dbo].[Problem\_Detected] ([Problem\_Detected\_ID], [Treatment\_ID], [Tooth\_ID], [Problem\_ID], [Appointment\_ID], [Dentist\_ID],

[Patient\_ID], [Room\_ID]) VALUES (4, 4, 12, 4, 4, 4, 4, 4)

INSERT [dbo].[Problem\_Detected] ([Problem\_Detected\_ID], [Treatment\_ID], [Tooth\_ID], [Problem\_ID], [Appointment\_ID], [Dentist\_ID],

[Patient\_ID], [Room\_ID]) VALUES (5, 5,13, 5, 5, 5, 5, 5)

INSERT [dbo].[Problem\_Detected] ([Problem\_Detected\_ID], [Treatment\_ID], [Tooth\_ID], [Problem\_ID], [Appointment\_ID], [Dentist\_ID],

[Patient\_ID], [Room\_ID]) VALUES (6, 6, 14, 6, 6, 6, 6, 6)

INSERT [dbo].[Problem\_Detected] ([Problem\_Detected\_ID], [Treatment\_ID], [Tooth\_ID], [Problem\_ID], [Appointment\_ID], [Dentist\_ID],

[Patient\_ID], [Room\_ID]) VALUES (7, 7, 15, 7, 7, 7, 7, 7)

INSERT [dbo].[Problem\_Detected] ([Problem\_Detected\_ID], [Treatment\_ID], [Tooth\_ID], [Problem\_ID], [Appointment\_ID], [Dentist\_ID],

[Patient\_ID], [Room\_ID]) VALUES (8, 8, 16, 8, 8, 8, 8, 8)

INSERT [dbo].[Problem\_Detected] ([Problem\_Detected\_ID], [Treatment\_ID], [Tooth\_ID], [Problem\_ID], [Appointment\_ID], [Dentist\_ID],

[Patient\_ID], [Room\_ID]) VALUES (9, 9, 17, 9, 9, 9, 9, 9)

INSERT [dbo].[Problem\_Detected] ([Problem\_Detected\_ID], [Treatment\_ID], [Tooth\_ID], [Problem\_ID], [Appointment\_ID], [Dentist\_ID],

[Patient\_ID], [Room\_ID]) VALUES (10,10, 18, 10, 10, 10,10, 10)

SELECT \* FROM Problem\_Detected

-- Table Treatment

CREATE TABLE [Treatment]

(

[Treatment\_ID] Int NOT NULL,

[Treatment\_Catalog\_ID] Int NULL,

)

go

-- Add keys for table Treatment

ALTER TABLE [Treatment] ADD CONSTRAINT [PK\_Treatment] PRIMARY KEY ([Treatment\_ID])

go

--Inserting sample data into Treatment

INSERT [dbo].[Treatment] ([Treatment\_ID], [Treatment\_Catalog\_ID]) VALUES (1, 2)

INSERT [dbo].[Treatment] ([Treatment\_ID], [Treatment\_Catalog\_ID]) VALUES (2, 5)

INSERT [dbo].[Treatment] ([Treatment\_ID], [Treatment\_Catalog\_ID]) VALUES (3, 3)

INSERT [dbo].[Treatment] ([Treatment\_ID], [Treatment\_Catalog\_ID]) VALUES (4, 4)

INSERT [dbo].[Treatment] ([Treatment\_ID], [Treatment\_Catalog\_ID]) VALUES (5, 3)

INSERT [dbo].[Treatment] ([Treatment\_ID], [Treatment\_Catalog\_ID]) VALUES (6, 2)

INSERT [dbo].[Treatment] ([Treatment\_ID], [Treatment\_Catalog\_ID]) VALUES (7, 8)

INSERT [dbo].[Treatment] ([Treatment\_ID], [Treatment\_Catalog\_ID]) VALUES (8, 5)

INSERT [dbo].[Treatment] ([Treatment\_ID], [Treatment\_Catalog\_ID]) VALUES (9, 2)

INSERT [dbo].[Treatment] ([Treatment\_ID], [Treatment\_Catalog\_ID]) VALUES (10,4)

SELECT \* FROM Treatment

--Table Treatment Steps

CREATE TABLE [Treatment\_Steps]

(

[Treatment\_Step\_ID] Int NOT NULL,

[Order] Int NOT NULL,

[Treatment\_ID] Int NOT NULL

)

go

-- Create indexes for table Treatment\_Steps

CREATE INDEX [IX\_Relationship6] ON [Treatment\_Steps] ([Treatment\_ID])

go

-- Add keys for table Treatment\_Steps

ALTER TABLE [Treatment\_Steps] ADD CONSTRAINT [PK\_Treatment\_Steps] PRIMARY KEY ([Treatment\_Step\_ID])

go

ALTER TABLE Treatment\_Steps

ADD

FOREIGN KEY (Treatment\_ID) REFERENCES Treatment(Treatment\_ID)

--Inserting sample data into Treatment Steps

INSERT [dbo].[Treatment\_Steps] ([Treatment\_Step\_ID], [Order],

[Treatment\_ID]) VALUES (1, 3, 2)

INSERT [dbo].[Treatment\_Steps] ([Treatment\_Step\_ID], [Order],

[Treatment\_ID]) VALUES (2, 1, 5)

INSERT [dbo].[Treatment\_Steps] ([Treatment\_Step\_ID], [Order],

[Treatment\_ID]) VALUES (3, 2, 1)

INSERT [dbo].[Treatment\_Steps] ([Treatment\_Step\_ID], [Order],

[Treatment\_ID]) VALUES (4, 5, 4)

INSERT [dbo].[Treatment\_Steps] ([Treatment\_Step\_ID], [Order],

[Treatment\_ID]) VALUES (5, 10, 3)

INSERT [dbo].[Treatment\_Steps] ([Treatment\_Step\_ID], [Order],

[Treatment\_ID]) VALUES (6, 9, 7)

INSERT [dbo].[Treatment\_Steps] ([Treatment\_Step\_ID], [Order],

[Treatment\_ID]) VALUES (7, 8, 6)

INSERT [dbo].[Treatment\_Steps] ([Treatment\_Step\_ID], [Order],

[Treatment\_ID]) VALUES (8, 7, 9)

INSERT [dbo].[Treatment\_Steps] ([Treatment\_Step\_ID], [Order],

[Treatment\_ID]) VALUES (9, 6, 8)

INSERT [dbo].[Treatment\_Steps] ([Treatment\_Step\_ID], [Order],

[Treatment\_ID]) VALUES (10,4, 10)

SELECT \* FROM Treatment\_Steps

-- Table Treatment\_Catalog

CREATE TABLE [Treatment\_Catalog]

(

[Treatment\_Catalog\_ID] Int NOT NULL,

[Treatment\_Name] Varchar(200) NOT NULL,

[Description] Varchar(max) NOT NULL,

[Price] Int NOT NULL

)

go

-- Add keys for table Treatment\_Catalog

ALTER TABLE [Treatment\_Catalog] ADD CONSTRAINT [PK\_Treatment\_Catalog] PRIMARY KEY ([Treatment\_Catalog\_ID])

go

--Inserting sample data into Treatment Catalog

INSERT [dbo].[Treatment\_Catalog] ([Treatment\_Catalog\_ID], [Treatment\_Name], [Description],[Price]) VALUES (1, N'Tooth cleaning', N'if the patient have plaque on his teeth',200)

INSERT [dbo].[Treatment\_Catalog] ([Treatment\_Catalog\_ID], [Treatment\_Name], [Description],[Price]) VALUES (2, N'Root canal', N' if the pulp, the soft tissue inside the root canal, becomes inflamed or infected',150)

INSERT [dbo].[Treatment\_Catalog] ([Treatment\_Catalog\_ID], [Treatment\_Name], [Description],[Price]) VALUES (3, N'Bleaching', N' If the partient has stains on the teeth',100)

INSERT [dbo].[Treatment\_Catalog] ([Treatment\_Catalog\_ID], [Treatment\_Name], [Description],[Price]) VALUES (4, N'Tooth removal', N'tooth decay, tooth infection, and crowding can all require a tooth extraction',250)

INSERT [dbo].[Treatment\_Catalog] ([Treatment\_Catalog\_ID], [Treatment\_Name], [Description],[Price]) VALUES (5, N'Bonding', N'to repair teeth that are decayed, chipped, fractured or discoloured or to reduce gaps between teeth',120 )

INSERT [dbo].[Treatment\_Catalog] ([Treatment\_Catalog\_ID], [Treatment\_Name], [Description],[Price]) VALUES (6, N'Braces', N'If the patient has dental alignment issues and bite related problems',230)

INSERT [dbo].[Treatment\_Catalog] ([Treatment\_Catalog\_ID], [Treatment\_Name], [Description],[Price]) VALUES (7, N'Bridges and Implants', N'If the patient has missing tooth',250)

INSERT [dbo].[Treatment\_Catalog] ([Treatment\_Catalog\_ID], [Treatment\_Name], [Description],[Price]) VALUES (8, N'Crowns and caps', N'if tooth that has been damaged by decay, broken, badly stained or mis-shaped.',200)

INSERT [dbo].[Treatment\_Catalog] ([Treatment\_Catalog\_ID], [Treatment\_Name], [Description],[Price]) VALUES (9, N'Fillings and Repairs', N'if the teeth which have been compromised due to cavities or trauma',300)

INSERT [dbo].[Treatment\_Catalog] ([Treatment\_Catalog\_ID], [Treatment\_Name], [Description],[Price]) VALUES (10, N'Gum Surgery', N'If the infection is affecting the gums and bones',350)

SELECT \* FROM Treatment\_Catalog

--Table Insurance

CREATE TABLE [Insurance]

(

[Insurance\_ID] Int NOT NULL,

[Description] Varchar(max) NOT NULL,

[Insurance\_Company\_Name] Varchar(100) NOT NULL,

[Payment\_ID] Int NULL,

[Patient\_ID] Int NULL

)

go

-- Create indexes for table Insurance

CREATE INDEX [IX\_Relationship9] ON [Insurance] ([Payment\_ID])

go

CREATE INDEX [IX\_Relationship10] ON [Insurance] ([Patient\_ID])

go

-- Add keys for table Insurance

ALTER TABLE [Insurance] ADD CONSTRAINT [PK\_Insurance] PRIMARY KEY ([Insurance\_ID])

go

ALTER TABLE Insurance

ADD FOREIGN KEY ([Payment\_ID]) REFERENCES Payment([Payment\_ID]),

FOREIGN KEY ([Patient\_ID]) REFERENCES Patient([Patient\_ID])

go

SELECT \* FROM Insurance

--Inserting sample data into Insurance

INSERT [dbo].[Insurance] ([Insurance\_ID], [Description],

[Insurance\_Company\_Name], [Payment\_ID], [Patient\_ID]) VALUES (1, N'Full

Coverage', N'Nationwide', 7, 1)

INSERT [dbo].[Insurance] ([Insurance\_ID], [Description],[Insurance\_Company\_Name], [Payment\_ID], [Patient\_ID]) VALUES (2, N'Full

Coverage for amount upto 700$', N'All State', 10, 2)

INSERT [dbo].[Insurance] ([Insurance\_ID], [Description],

[Insurance\_Company\_Name], [Payment\_ID], [Patient\_ID]) VALUES (3, N'Partial

Coverage only', N'Liberty Manual', 9, 3)

INSERT [dbo].[Insurance] ([Insurance\_ID], [Description],

[Insurance\_Company\_Name], [Payment\_ID], [Patient\_ID]) VALUES (4, N'Coverage

if treatment lasts for 6 months', N'Progeressive', 8, 4)

INSERT [dbo].[Insurance] ([Insurance\_ID], [Description],

[Insurance\_Company\_Name], [Payment\_ID], [Patient\_ID]) VALUES (5, N'Full

Coverage', N'Chubb Insurances', 6, 5)

INSERT [dbo].[Insurance] ([Insurance\_ID], [Description],

[Insurance\_Company\_Name], [Payment\_ID], [Patient\_ID]) VALUES (6, N'Partial if

age >55', N'Berkshire Hathway Insurances', 5, 6)

INSERT [dbo].[Insurance] ([Insurance\_ID], [Description],

[Insurance\_Company\_Name], [Payment\_ID], [Patient\_ID]) VALUES (7, N'Full

Coverage if treatment is for adults' , N'Sunshine Insurances', 4, 7)

INSERT [dbo].[Insurance] ([Insurance\_ID], [Description],

[Insurance\_Company\_Name], [Payment\_ID], [Patient\_ID]) VALUES (8, N'Full

Coverage', N'Nationwide', 3, 8)

INSERT [dbo].[Insurance] ([Insurance\_ID], [Description],

[Insurance\_Company\_Name], [Payment\_ID], [Patient\_ID]) VALUES (9, N'Full

Coverage', N'Nationwide', 2, 9)

INSERT [dbo].[Insurance] ([Insurance\_ID], [Description],

[Insurance\_Company\_Name], [Payment\_ID], [Patient\_ID]) VALUES (10, N'Full

Coverage', N'Nationwide', 1, 10)

-- Table Payment

CREATE TABLE [Payment]

(

[Payment\_ID] Int NOT NULL,

[Patient\_ID] Int NOT NULL,

[Payment\_Status] Varchar(10) NOT NULL,

[Payment\_Type] Varchar(30) NOT NULL,

[Invoice\_Number] Int NOT NULL

)

go

-- Create indexes for table Payment

CREATE INDEX [IX\_Relationship24] ON [Payment] ([Invoice\_Number])

go

-- Add keys for table Payment

ALTER TABLE [Payment] ADD CONSTRAINT [PK\_Payment] PRIMARY KEY ([Payment\_ID])

go

ALTER TABLE Payment

ADD

FOREIGN KEY (Patient\_ID) REFERENCES Patient(Patient\_ID),

FOREIGN KEY (Invoice\_Number) REFERENCES Invoice(Invoice\_Number);

--Inserting sample data into Payment

INSERT [dbo].[Payment] ([Payment\_ID],[Patient\_ID] , [Payment\_Type], [Payment\_Status], [Invoice\_Number]) VALUES (1,01, N'Credit Card', N'Pending', 1)

INSERT [dbo].[Payment] ([Payment\_ID],[Patient\_ID] , [Payment\_Type], [Payment\_Status], [Invoice\_Number]) VALUES (2,02, N'Debit Card', N'Paid', 2)

INSERT [dbo].[Payment] ([Payment\_ID],[Patient\_ID] , [Payment\_Type], [Payment\_Status], [Invoice\_Number]) VALUES (3,03, N'Debit Card', N'Paid', 3)

INSERT [dbo].[Payment] ([Payment\_ID],[Patient\_ID] , [Payment\_Type], [Payment\_Status], [Invoice\_Number]) VALUES (4,04, N'Cash', N'Paid', 4)

INSERT [dbo].[Payment] ([Payment\_ID],[Patient\_ID] , [Payment\_Type], [Payment\_Status], [Invoice\_Number]) VALUES (5,05, N'Debit Card', N'Paid', 5)

INSERT [dbo].[Payment] ([Payment\_ID],[Patient\_ID] , [Payment\_Type], [Payment\_Status], [Invoice\_Number]) VALUES (6,06, N'Credit Card', N'Pending', 6)

INSERT [dbo].[Payment] ([Payment\_ID],[Patient\_ID] , [Payment\_Type], [Payment\_Status], [Invoice\_Number]) VALUES (7,07, N'Cash', N'Paid', 7)

INSERT [dbo].[Payment] ([Payment\_ID],[Patient\_ID] , [Payment\_Type], [Payment\_Status], [Invoice\_Number]) VALUES (8,08, N'Debit Card', N'Paid', 8)

INSERT [dbo].[Payment] ([Payment\_ID],[Patient\_ID] , [Payment\_Type], [Payment\_Status], [Invoice\_Number]) VALUES (9,09, N'Cash', N'Paid', 9)

INSERT [dbo].[Payment] ([Payment\_ID],[Patient\_ID] , [Payment\_Type], [Payment\_Status], [Invoice\_Number]) VALUES (10,10, N'Debit Card', N'Paid', 10)

SELECT \* FROM Payment

--Table Invoice

CREATE TABLE [Invoice]

(

[Invoice\_Number] Int NOT NULL,

[Description] Varchar(max) NOT NULL,

[Invoice\_Amount] Float NOT NULL,

[Date\_Of\_Generation] Date NOT NULL,

[Appointment\_ID] Int NULL

)

go

-- Create indexes for table Invoice

CREATE INDEX [IX\_Relationship23] ON [Invoice] ([Appointment\_ID])

go

-- Add keys for table Invoice

ALTER TABLE [Invoice] ADD CONSTRAINT [PK\_Invoice] PRIMARY KEY ([Invoice\_Number])

go

--Inserting sample data into Invoice

INSERT [dbo].[Invoice] ([Invoice\_Number], [Description], [Invoice\_Amount],

[Date\_Of\_Generation], [Appointment\_ID]) VALUES (1, N'Periodontal Scaling', 250, CAST(N'2021-12-10' AS

Date), 1)

INSERT [dbo].[Invoice] ([Invoice\_Number], [Description], [Invoice\_Amount],

[Date\_Of\_Generation], [Appointment\_ID]) VALUES (2, N'Root Planning per Quadrant', 100, CAST(N'2021-12-13'

AS Date), 2)

INSERT [dbo].[Invoice] ([Invoice\_Number], [Description], [Invoice\_Amount],

[Date\_Of\_Generation], [Appointment\_ID]) VALUES (3, N'Topical application of Fluoride Varnish' , 70, CAST

(N'2021-12-14' AS Date), 3)

INSERT [dbo].[Invoice] ([Invoice\_Number], [Description], [Invoice\_Amount],

[Date\_Of\_Generation], [Appointment\_ID]) VALUES (4, N'Periodontal main proc', 200, CAST(N'2021-12-14' AS

Date), 4)

INSERT [dbo].[Invoice] ([Invoice\_Number], [Description], [Invoice\_Amount],

[Date\_Of\_Generation], [Appointment\_ID]) VALUES (5, N'Splinting', 440, CAST(N'2021-12-16' AS Date), 5)

INSERT [dbo].[Invoice] ([Invoice\_Number], [Description], [Invoice\_Amount],

[Date\_Of\_Generation], [Appointment\_ID]) VALUES (6, N'Radiographic examination', 200, CAST(N'2021-12-17' AS

Date), 6)

INSERT [dbo].[Invoice] ([Invoice\_Number], [Description], [Invoice\_Amount],

[Date\_Of\_Generation], [Appointment\_ID]) VALUES (7, N'Antibiotic therapy', 150, CAST(N'2021-12-18' AS

Date), 7)

INSERT [dbo].[Invoice] ([Invoice\_Number], [Description], [Invoice\_Amount],

[Date\_Of\_Generation], [Appointment\_ID]) VALUES (8, N'Periodontal Scaling', 350, CAST(N'2021-12-05' AS

Date), 8)

INSERT [dbo].[Invoice] ([Invoice\_Number], [Description], [Invoice\_Amount],

[Date\_Of\_Generation], [Appointment\_ID]) VALUES (9, N'Root Planning per Quadrant', 150, CAST(N'2021-12-11'

AS Date), 9)

INSERT [dbo].[Invoice] ([Invoice\_Number], [Description], [Invoice\_Amount],

[Date\_Of\_Generation], [Appointment\_ID]) VALUES (10, N'Topical application of Fluoride Varnish' , 75, CAST

(N'2021-12-12' AS Date), 10)

SELECT \* FROM Invoice

-- Table Drug\_Catalog

CREATE TABLE [Drug\_Catalog]

(

[Drug\_ID] Int NOT NULL,

[Drug\_Name] Varchar(100) NOT NULL,

[Prescription\_ID] Int

)

go

-- Add keys for table Drug\_Catalog

ALTER TABLE [Drug\_Catalog] ADD CONSTRAINT [PK\_Drug\_Catalog] PRIMARY KEY ([Drug\_ID])

go

ALTER TABLE Drug\_Catalog

ADD FOREIGN KEY ([Prescription\_ID]) REFERENCES Prescription([Prescription\_ID])

go

--Inserting sample data into Drug Catalog

INSERT [dbo].[Drug\_Catalog] ([Drug\_ID], [Drug\_Name],[Prescription\_ID]) VALUES (1, N'Tylenol',10)

INSERT [dbo].[Drug\_Catalog] ([Drug\_ID], [Drug\_Name],[Prescription\_ID]) VALUES (2, N'Motrin',9)

INSERT [dbo].[Drug\_Catalog] ([Drug\_ID], [Drug\_Name],[Prescription\_ID]) VALUES (3, N'XyloCaine',8)

INSERT [dbo].[Drug\_Catalog] ([Drug\_ID], [Drug\_Name],[Prescription\_ID]) VALUES (4,

N'Chlorhexidine',7)

INSERT [dbo].[Drug\_Catalog] ([Drug\_ID], [Drug\_Name],[Prescription\_ID]) VALUES (5, N'Antiseptic',6)

INSERT [dbo].[Drug\_Catalog] ([Drug\_ID], [Drug\_Name],[Prescription\_ID]) VALUES (6, N'Atridox',5)

INSERT [dbo].[Drug\_Catalog] ([Drug\_ID], [Drug\_Name],[Prescription\_ID]) VALUES (7,

N'Pilocarpine',4)

INSERT [dbo].[Drug\_Catalog] ([Drug\_ID], [Drug\_Name],[Prescription\_ID]) VALUES (8, N'Irgasan DP

300',3)

INSERT [dbo].[Drug\_Catalog] ([Drug\_ID], [Drug\_Name],[Prescription\_ID]) VALUES (9, N'Muscle

Relaxants',2)

INSERT [dbo].[Drug\_Catalog] ([Drug\_ID], [Drug\_Name],[Prescription\_ID]) VALUES (10,

N'Antifungals',1)

SELECT \* FROM Drug\_Catalog

---- Table Appointment\_Status\_History

CREATE TABLE [Appointment\_Status\_History]

(

[Appointment\_History\_ID] Int NOT NULL,

[Status] Varchar(max) NOT NULL,

[Dentist\_ID] Int NOT NULL,

[Patient\_ID] Int NOT NULL,

[Appointment\_ID] Int NOT NULL,

[Room\_ID] Int NOT NULL,

)

go

-- Add keys for table Appointment\_Status\_History

ALTER TABLE [Appointment\_Status\_History] ADD CONSTRAINT [PK\_Appointment\_Status\_History] PRIMARY KEY ([Appointment\_History\_ID],[Appointment\_ID],[Dentist\_ID],[Patient\_ID],[Room\_ID])

go

ALTER TABLE Appointment\_Status\_History

ADD

FOREIGN KEY (Patient\_ID) REFERENCES Patient(Patient\_ID),

FOREIGN KEY (Dentist\_ID) REFERENCES Dentist(Dentist\_ID),

FOREIGN KEY (Appointment\_ID) REFERENCES Appointment(Appointment\_ID),

FOREIGN KEY (Room\_ID) REFERENCES Room(Room\_ID);

--Inserting sample data into Appointment Status History

INSERT [dbo].[Appointment\_Status\_History] ([Appointment\_History\_ID] ,[Status],[Dentist\_ID],[Patient\_ID],[Appointment\_ID],[Room\_ID] ) VALUES (1, N'Tooth Extraction',1,1,10,4)

INSERT [dbo].[Appointment\_Status\_History] ([Appointment\_History\_ID] ,[Status],[Dentist\_ID],[Patient\_ID],[Appointment\_ID],[Room\_ID] ) VALUES (2, N'Removed Plaque' ,2,2,9 ,3)

INSERT [dbo].[Appointment\_Status\_History] ([Appointment\_History\_ID] ,[Status],[Dentist\_ID],[Patient\_ID],[Appointment\_ID],[Room\_ID] ) VALUES (3, N'Teeth Mould' ,3,3, 8,2)

INSERT [dbo].[Appointment\_Status\_History] ([Appointment\_History\_ID] ,[Status],[Dentist\_ID],[Patient\_ID],[Appointment\_ID],[Room\_ID] ) VALUES (4, N'Removing tartar' ,4,4,7 ,1)

INSERT [dbo].[Appointment\_Status\_History] ([Appointment\_History\_ID] ,[Status],[Dentist\_ID],[Patient\_ID],[Appointment\_ID],[Room\_ID] ) VALUES (5, N'Initial Examine' ,5,5,6 ,10)

INSERT [dbo].[Appointment\_Status\_History] ([Appointment\_History\_ID] ,[Status],[Dentist\_ID],[Patient\_ID],[Appointment\_ID],[Room\_ID] ) VALUES (6, N'Tooth Extraction' ,6,6, 5,9)

INSERT [dbo].[Appointment\_Status\_History] ([Appointment\_History\_ID] ,[Status],[Dentist\_ID],[Patient\_ID],[Appointment\_ID],[Room\_ID] ) VALUES (7, N'Prepare for braces' ,7,7,4 ,8)

INSERT [dbo].[Appointment\_Status\_History] ([Appointment\_History\_ID] ,[Status],[Dentist\_ID],[Patient\_ID],[Appointment\_ID],[Room\_ID] ) VALUES (8, N'Removed Plaque' ,8,8, 3,7)

INSERT [dbo].[Appointment\_Status\_History] ([Appointment\_History\_ID] ,[Status],[Dentist\_ID],[Patient\_ID],[Appointment\_ID],[Room\_ID] ) VALUES (9, N'X-Ray' ,9,9,2,6)

INSERT [dbo].[Appointment\_Status\_History] ([Appointment\_History\_ID] ,[Status],[Dentist\_ID],[Patient\_ID],[Appointment\_ID],[Room\_ID] ) VALUES (10,N'Removed Plaque' ,10,10,1,5)

SELECT \* FROM Appointment\_Status\_History