Original Code:

CREATE TABLE [dbo].[Building] (

[BuildingID] INT NOT NULL,

[BuildingName] CHAR (30) NOT NULL,

[Type] CHAR (10) NOT NULL,

[Area] DECIMAL (18) NOT NULL,

[FreeArena] INT NOT NULL,

[SportPlayed] CHAR (10) NOT NULL,

[EquipmentLot] INT NOT NULL,

PRIMARY KEY CLUSTERED ([BuildingID] ASC),

CONSTRAINT [FK\_Building\_ToTable] FOREIGN KEY ([SportPlayed]) REFERENCES [dbo].[Sports] ([SportName]),

CONSTRAINT [FK\_Building\_ToTable\_1] FOREIGN KEY ([EquipmentLot]) REFERENCES [dbo].[Equipment] ([LotNumber])

);

CREATE TABLE [dbo].[DelegationChief] (

[ChiefID] INT NOT NULL,

[PhoneNumber] INT NOT NULL,

[FirstName] CHAR (10) NOT NULL,

[LastName] CHAR (10) NOT NULL,

[Res\_ID] INT NOT NULL,

PRIMARY KEY CLUSTERED ([ChiefID] ASC),

CONSTRAINT [FK\_DelegationChief\_Reservation] FOREIGN KEY ([Res\_ID]) REFERENCES [dbo].[Reservation] ([ReservationId])

);

CREATE TABLE [dbo].[Equipment] (

[LotNumber] INT NOT NULL,

[Type] CHAR (10) NOT NULL,

[Units] INT NOT NULL,

PRIMARY KEY CLUSTERED ([LotNumber] ASC)

);

CREATE TABLE [dbo].[HotelRoom] (

[RoomID] INT NOT NULL,

[HotelName] CHAR (30) NOT NULL,

[Address] CHAR (30) NOT NULL,

[RoomNumber] INT NOT NULL,

[Type] CHAR (10) NOT NULL,

[Price] DECIMAL (18) NOT NULL,

[Available] BIT NOT NULL,

CONSTRAINT [PK\_HotelRoom] PRIMARY KEY CLUSTERED ([RoomID] ASC)

);

CREATE TABLE [dbo].[Reservation] (

[ReservationId] INT NOT NULL,

[Date] DATE NOT NULL,

[StartHr] REAL NOT NULL,

[EndHr] REAL NOT NULL,

[Hotel\_Start] DATE NOT NULL,

[Hotel\_End] DATE NOT NULL,

[ChiefID] INT NOT NULL,

[SportBld] INT NOT NULL,

[Sport] CHAR (10) NOT NULL,

[Room\_Res] INT NOT NULL,

PRIMARY KEY CLUSTERED ([ReservationId] ASC),

CONSTRAINT [FK\_Reservation\_ToTable\_1] FOREIGN KEY ([SportBld]) REFERENCES [dbo].[Building] ([BuildingID]),

CONSTRAINT [FK\_Reservation\_ToTable\_2] FOREIGN KEY ([Sport]) REFERENCES [dbo].[Sports] ([SportName]),

CONSTRAINT [FK\_Reservation\_ToTable\_3] FOREIGN KEY ([Room\_Res]) REFERENCES [dbo].[HotelRoom] ([RoomID])

);

CREATE TABLE [dbo].[Sports] (

[SportName] CHAR (10) NOT NULL,

[EquipmentUsed] INT NOT NULL,

PRIMARY KEY CLUSTERED ([SportName] ASC),

CONSTRAINT [FK\_Sports\_ToTable] FOREIGN KEY ([EquipmentUsed]) REFERENCES [dbo].[Equipment] ([LotNumber])

);

Alteration

CREATE TABLE [dbo].[Building] (

[BuildingID] INT NOT NULL,

[BuildingName] CHAR (30) NOT NULL,

[Type] CHAR (10) NOT NULL,

[Area] DECIMAL (18) NOT NULL,

[FreeArena] INT NOT NULL,

[SportPlayed] CHAR (10) NULL,

[EquipmentLot] INT NULL,

PRIMARY KEY CLUSTERED ([BuildingID] ASC),

CREATE TABLE [dbo].[DelegationChief] (

[ChiefID] INT NOT NULL,

[PhoneNumber] INT NOT NULL,

[FirstName] CHAR (10) NOT NULL,

[LastName] CHAR (10) NOT NULL,

[Res\_ID] INT NULL,

PRIMARY KEY CLUSTERED ([ChiefID] ASC),