SQL QUERY OF THE DATABASE

USE [Flight database ]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Passenger] Script Date: 9/11/2022 6:38:17 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Passenger](

[Passenger\_Code] [int] IDENTITY(1,1) NOT NULL,

[Baggage\_Code] [int] NOT NULL,

[Seat\_Code] [int] NOT NULL,

[First\_name] [nvarchar](50) NOT NULL,

[Last\_Name] [nvarchar](50) NOT NULL,

[Contact\_Email] [nvarchar](50) NOT NULL,

CONSTRAINT [PK\_Passenger] PRIMARY KEY CLUSTERED

(

[Passenger\_Code] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Passenger] WITH CHECK ADD CONSTRAINT [FK\_Passenger\_Baggage] FOREIGN KEY([Baggage\_Code])

REFERENCES [dbo].[Baggage] ([Baggage\_Code])

GO

ALTER TABLE [dbo].[Passenger] CHECK CONSTRAINT [FK\_Passenger\_Baggage]

GO

ALTER TABLE [dbo].[Passenger] WITH CHECK ADD CONSTRAINT [FK\_Passenger\_Seat] FOREIGN KEY([Seat\_Code])

REFERENCES [dbo].[Seat] ([Seat\_Code])

GO

ALTER TABLE [dbo].[Passenger] CHECK CONSTRAINT [FK\_Passenger\_Seat]

GO

USE [Flight database ]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Passenger\_on\_flight] Script Date: 9/11/2022 6:39:20 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Passenger\_on\_flight](

[Passenger\_Code] [int] NOT NULL,

[Flight\_Code] [int] NOT NULL

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Passenger\_on\_flight] WITH CHECK ADD CONSTRAINT [FK\_Passenger\_on\_flight\_Flight] FOREIGN KEY([Flight\_Code])

REFERENCES [dbo].[Flight] ([Flight\_Code])

GO

ALTER TABLE [dbo].[Passenger\_on\_flight] CHECK CONSTRAINT [FK\_Passenger\_on\_flight\_Flight]

GO

ALTER TABLE [dbo].[Passenger\_on\_flight] WITH CHECK ADD CONSTRAINT [FK\_Passenger\_on\_flight\_Passenger] FOREIGN KEY([Passenger\_Code])

REFERENCES [dbo].[Passenger] ([Passenger\_Code])

GO

ALTER TABLE [dbo].[Passenger\_on\_flight] CHECK CONSTRAINT [FK\_Passenger\_on\_flight\_Passenger]

GO

USE [Flight database ]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Seat] Script Date: 9/11/2022 6:39:41 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Seat](

[Seat\_Code] [int] IDENTITY(1,1) NOT NULL,

[Seat\_Placement] [nvarchar](50) NOT NULL,

CONSTRAINT [PK\_Seat] PRIMARY KEY CLUSTERED

(

[Seat\_Code] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

USE [Flight database ]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Flight] Script Date: 9/11/2022 6:40:01 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Flight](

[Flight\_Code] [int] IDENTITY(1,1) NOT NULL,

[Destination\_ID] [int] NOT NULL,

[Departure\_Time&Date] [datetime] NOT NULL,

[Arrival\_Time&Arrival] [datetime] NOT NULL,

[Total\_Baggage\_Weight] [float] NOT NULL,

[Seats\_Available] [int] NOT NULL,

CONSTRAINT [PK\_Flight] PRIMARY KEY CLUSTERED

(

[Flight\_Code] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Flight] WITH CHECK ADD CONSTRAINT [FK\_Flight\_Destinations] FOREIGN KEY([Destination\_ID])

REFERENCES [dbo].[Destinations] ([Destination\_ID])

GO

ALTER TABLE [dbo].[Flight] CHECK CONSTRAINT [FK\_Flight\_Destinations]

GO

USE [Flight database ]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Destinations] Script Date: 9/11/2022 6:40:30 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Destinations](

[Destination\_ID] [int] IDENTITY(1,1) NOT NULL,

[Description\_Name] [nvarchar](50) NULL,

CONSTRAINT [PK\_Destinations] PRIMARY KEY CLUSTERED

(

[Destination\_ID] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

USE [Flight database ]

GO

/\*\*\*\*\*\* Object: Table [dbo].[Baggage] Script Date: 9/11/2022 6:41:08 PM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[Baggage](

[Baggage\_Code] [int] IDENTITY(1,1) NOT NULL,

[Weight] [float] NULL,

CONSTRAINT [PK\_Baggage] PRIMARY KEY CLUSTERED

(

[Baggage\_Code] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON, OPTIMIZE\_FOR\_SEQUENTIAL\_KEY = OFF) ON [PRIMARY]

) ON [PRIMARY]

GO

(Destination query)

/\*\*\*\*\*\* Script for SelectTopNRows command from SSMS \*\*\*\*\*\*/

SELECT TOP (1000) [Destination\_ID]

,[Destination\_Name]

FROM [Flight database ].[dbo].[Destinations]

(Flights query)

/\*\*\*\*\*\* Script for SelectTopNRows command from SSMS \*\*\*\*\*\*/

SELECT TOP (1000) [Flight\_Code]

,[Destination\_ID]

,[Departure\_Time&Date]

,[Arrival\_Time&Date]

,[Total\_Baggage\_Weight]

,[Seats\_Available]

FROM [Flight database ].[dbo].[Flight]

/\*\*\*\*\*\* Script for SelectTopNRows command from SSMS \*\*\*\*\*\*/

SELECT TOP (1000) [Passenger\_Code]

,[Baggage\_Code]

,[Seat\_Code]

,[First\_name]

,[Last\_Name]

,[Contact\_Email]

FROM [Flight database ].[dbo].[Passenger]

SELECT \*

FROM [Flight database ].[dbo].[Passenger]

ORDER BY [Last\_Name] ASC

/\*\*\*\*\*\* Script for SelectTopNRows command from SSMS \*\*\*\*\*\*/

SELECT TOP (1000) [Flight\_Code]

,[Destination\_ID]

,[Departure\_Time&Date]

,[Arrival\_Time&Arrival]

,[Total\_Baggage\_Weight]

,[Seats\_Available]

FROM [Flight database ].[dbo].[Flight]

SELECT AVG(Total\_Baggage\_Weight)

FROM [Flight database ].[dbo].[Flight]

SELECT AVG(Seats\_Available)

FROM [Flight database ].[dbo].[Flight]