Schema Objects

CREATE TABLE Statements
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CREATE TABLE Statements

Table	Type	Rows	Size	Description
aircraft	data			aircraft
airline_alliances	data	10,000	0.08	airline_alliances
airline_hubs	data	10,000	0.08	airline_hubs
airlines	data	10,000	0.08	airlines
airports	data	10,000	0.08	airports
airport_gates	data	10,000	0.08	airport_gates
bookings	data	10,000	0.08	bookings
flights	data	10,000	0.08	flights
flight_crew	data	10,000	0.08	flight_crew
tickets	data			tickets
crew_members	data	10,000	0.08	crew_members
passengers	data	10,000	0.08	passengers

[dbo].[Flight_Crew]

```
CREATE TABLE [dbo].[Flight_Crew]
(
    [Assignment_ID] [int] NOT NULL,
    [Flight_ID] [int] NOT NULL,
    [Crew_Member_ID] [int] NOT NULL,
    [Role] [varchar] NOT NULL,
    [Is_Lead] [bit] NOT NULL,
    [Assigned_At] [datetime] NOT NULL
)
GO
ALTER TABLE [dbo].[Flight_Crew] ADD CONSTRAINT [PK__Flight_Crew__0000000000000000] PRIMARY KEY CLUSTERED ([Assignment_ID])
GO
ALTER TABLE [dbo].[Flight_Crew] ADD CONSTRAINT [FK__Flight_Crew__0000000000000000] FOREIGN KEY ([Flight_ID]) REFERENCES [dbo].[Flights] ([Flight_ID])
GO
ALTER TABLE [dbo].[Flight_Crew] ADD CONSTRAINT [FK__Flight_Crew__0000000000000000] FOREIGN KEY ([Crew_Member_ID]) REFERENCES [dbo].[Crew_Members] ([Crew_Member_ID])
GO
```

[dbo].[Crew_Schedules]

Table	Type	Rows	Size	Description
aircraft	data			aircraft
airline_alliances	data	10,000	0.08	airline_alliances
airline_hubs	data	10,000	0.08	airline_hubs
airlines	data	10,000	0.08	airlines
airports	data	10,000	0.08	airports
airport_gates	data	10,000	0.08	airport_gates
bookings	data	10,000	0.08	bookings
flights	data	10,000	0.08	flights
flight_crew	data	10,000	0.08	flight_crew
tickets	data			tickets
crew_members	data	10,000	0.08	crew_members
passengers	data	10,000	0.08	passengers

[dbo].[Airline_Alliances]

```
CREATE TABLE [dbo].[Airline_Alliances]
(
    [Alliance_ID] [int] NOT NULL,
    [Alliance_Name] [varchar] NOT NULL,
    [Formed_Date] [date] NOT NULL,
    [Member_Count] [int] NOT NULL,
    [Headquarters] [varchar] NOT NULL,
    [Is_Active] [bit] NOT NULL
)
GO
ALTER TABLE [dbo].[Airline_Alliances] ADD CONSTRAINT [PK__Airline_Alliances__0000000000000000] PRIMARY KEY CLUSTERED ([Alliance_ID])
GO
```

[dbo].[Airline_Hubs]

Table	Type	Rows	Size	Description
aircraft	data			aircraft
airline_alliances	data	10,000	0.08	airline_alliances
airline_hubs	data	10,000	0.08	airline_hubs
airlines	data	10,000	0.08	airlines
airports	data	10,000	0.08	airports
airport_gates	data	10,000	0.08	airport_gates
bookings	data	10,000	0.08	bookings
flights	data	10,000	0.08	flights
flight_crew	data	10,000	0.08	flight_crew
tickets	data			tickets
crew_members	data	10,000	0.08	crew_members
passengers	data	10,000	0.08	passengers

[dbo].[Airline_Fleet]

```
CREATE TABLE [dbo].[Airline_Fleet]
(
    [Fleet_ID] [int] NOT NULL,
    [Airline_ID] [int] NOT NULL,
    [Aircraft_ID] [int] NOT NULL,
    [Registration] [varchar] NOT NULL,
    [Delivery_Date] [date] NOT NULL,
    [Status] [varchar] NOT NULL,
    [Total_Hours] [decimal] NOT NULL,
    [Last_Maintenance] [date] NOT NULL
)
GO
ALTER TABLE [dbo].[Airline_Fleet] ADD CONSTRAINT [PK__Airline_Fleet__0000000000000000] PRIMARY KEY CLUSTERED ([Fleet_ID])
GO
ALTER TABLE [dbo].[Airline_Fleet] ADD CONSTRAINT [FK__Airline_Fleet__0000000000000000] FOREIGN KEY ([Airline_ID]) REFERENCES [dbo].[Airlines] ([Airline_ID])
GO
ALTER TABLE [dbo].[Airline_Fleet] ADD CONSTRAINT [FK__Airline_Fleet__0000000000000000] FOREIGN KEY ([Aircraft_ID]) REFERENCES [dbo].[Aircraft] ([Aircraft_ID])
GO
```

[dbo].[Airline_Hubs]

Table	Type	Rows	Size	Description
aircraft	data			aircraft
airline_alliances	data	10,000	0.08	airline_alliances
airline_hubs	data	10,000	0.08	airline_hubs
airlines	data	10,000	0.08	airlines
airports	data	10,000	0.08	airports
airport_gates	data	10,000	0.08	airport_gates
bookings	data	10,000	0.08	bookings
flights	data	10,000	0.08	flights
flight_crew	data	10,000	0.08	flight_crew
tickets	data			tickets
crew_members	data	10,000	0.08	crew_members
passengers	data	10,000	0.08	passengers

[dbo].[Airline_Fleet]

Table	Type	Rows	Size	Description
aircraft	data			aircraft
airline_alliances	data	10,000	0.08	airline_alliances
airline_hubs	data	10,000	0.08	airline_hubs
airlines	data	10,000	0.08	airlines
airports	data	10,000	0.08	airports
airport_gates	data	10,000	0.08	airport_gates
bookings	data	10,000	0.08	bookings
flights	data	10,000	0.08	flights
flight_crew	data	10,000	0.08	flight_crew
tickets	data			tickets
crew_members	data	10,000	0.08	crew_members
passengers	data	10,000	0.08	passengers

[dbo].[Airline_Alliances]

Table	Type	Rows	Size	Description
aircraft	data			aircraft
airline_alliances	data	10,000	0.08	airline_alliances
airline_hubs	data	10,000	0.08	airline_hubs
airlines	data	10,000	0.08	airlines
airports	data	10,000	0.08	airports
airport_gates	data	10,000	0.08	airport_gates
bookings	data	10,000	0.08	bookings
flights	data	10,000	0.08	flights
flight_crew	data	10,000	0.08	flight_crew
tickets	data			tickets
crew_members	data	10,000	0.08	crew_members
passengers	data	10,000	0.08	passengers