**Event Management System**

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**Submitted By Submitted To**

**Rifat Hossain Rumman Ahmed Prodhan  
Roll: 42230200824  
  
Jisad kamal  
Roll: 42230200825**

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**Event Management System**

The Event Management System is a comprehensive platform designed to facilitate the planning, organization, and execution of various events. Whether it's a conference, seminar, workshop, or any other gathering, this system streamlines the entire event lifecycle, from initial planning to post-event analysis. Key features include event creation, attendee management, session scheduling, speaker coordination, and registration tracking.

***\*\*\* Tables in the Event Management System:***

**1. Events:**

Stores information about individual events, including event name, description, dates, location, and organizer details.

**2. Users:**

Manages user profiles, authentication credentials, and contact information for both organizers and attendees.

**3. Attendees:**

Tracks attendee registrations for specific events, linking attendees to their respective events and user profiles.

**4. Organizers:**

Contains details of event organizers, associating them with user accounts and providing additional organizer-specific information.

**5. Sessions:**

Organizes event activities into sessions, each with its own name, description, schedule, location, and associated speakers.

**6. Speakers:**

Stores information about speakers or presenters participating in event sessions, including their bio and contact details.

**7. Registrations:**

Tracks attendee registrations for individual sessions within events, recording registration dates and status.

***\*\*\* The information which are going to be available in the database are given below:***

**Table:** Registrations

**Attributes:**

* registration\_id (Primary Key)
* event\_id (Foreign Key referencing Events(event\_id))
* attendee\_id (Foreign Key referencing Attendees(attendee\_id))
* registration\_date
* registration\_status

**Relations:**

* Registrations - event\_id - Events
* Registrations - attendee\_id - Attendees

**Table:** Speakers

**Attributes:**

* speaker\_id (Primary Key)
* user\_id (Foreign Key referencing Users(user\_id))
* bio
* contact\_information

**Relations:**

* Speakers - user\_id - Users

**Table:** Sessions

**Attributes:**

* session\_id (Primary Key)
* event\_id (Foreign Key referencing Events(event\_id))
* session\_name
* start\_time
* end\_time
* location
* speaker\_id (Foreign Key referencing Speakers(speaker\_id))

**Relations:**

* Sessions - event\_id - Events
* Sessions - speaker\_id - Speakers

**Table:** Organizers

**Attributes:**

* organizer\_id (Primary Key)
* user\_id (Foreign Key referencing Users(user\_id))

**Relations:**

* Organizers - user\_id - Users

**Table:** Attendees

**Attributes:**

* attendee\_id (Primary Key)
* event\_id (Foreign Key referencing Events(event\_id))
* user\_id (Foreign Key referencing Users(user\_id))

**Relations:**

* Attendees - event\_id - Events
* Attendees - user\_id - Users

**Table:** Users

**Attributes:**

* user\_id (Primary Key)
* username
* password
* email
* full\_name

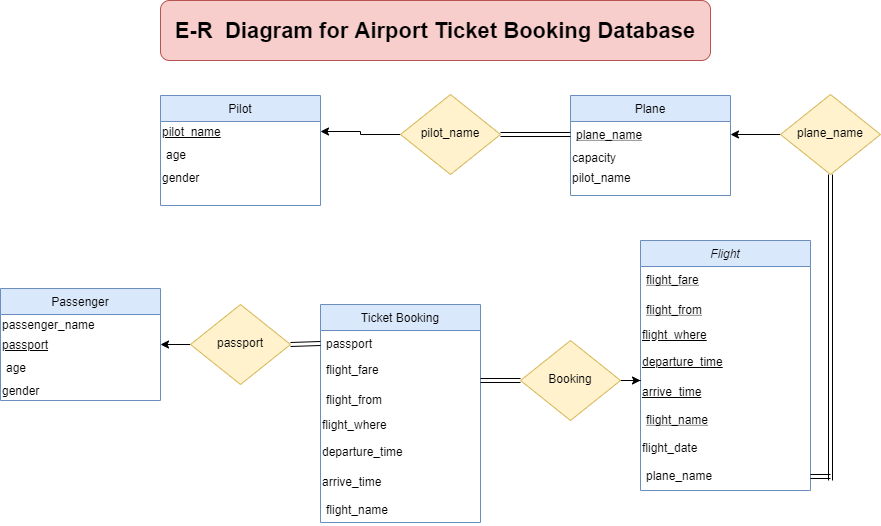
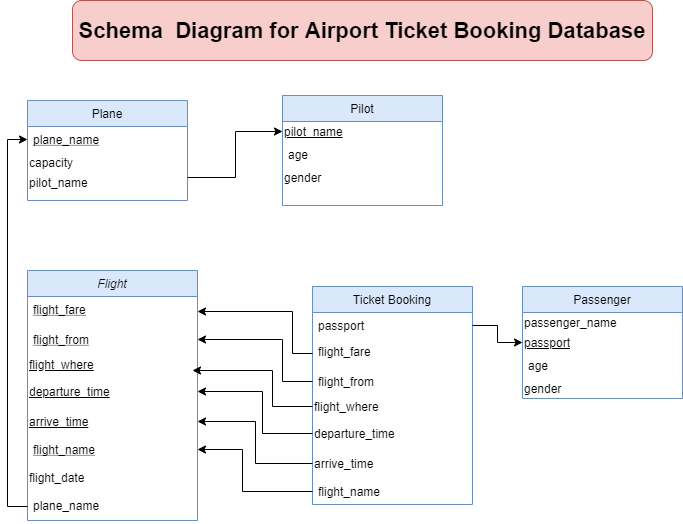
**Table:** Events

**Attributes:**

* event\_id (Primary Key)
* event\_name
* event\_description
* start\_date
* end\_date
* location
* organizer\_id (Foreign Key referencing Organizers(organizer\_id))

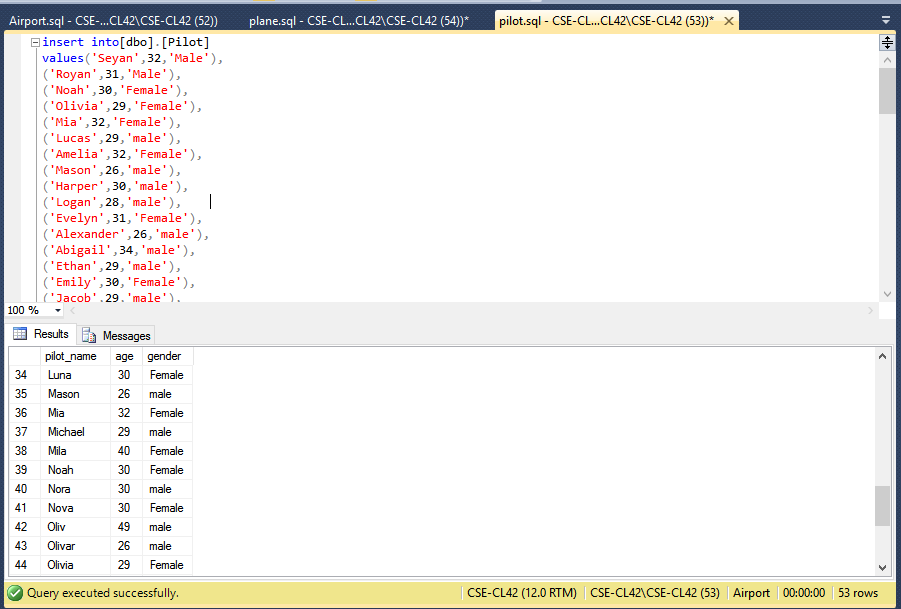
**Relations:**

* Events - organizer\_id - Organizers

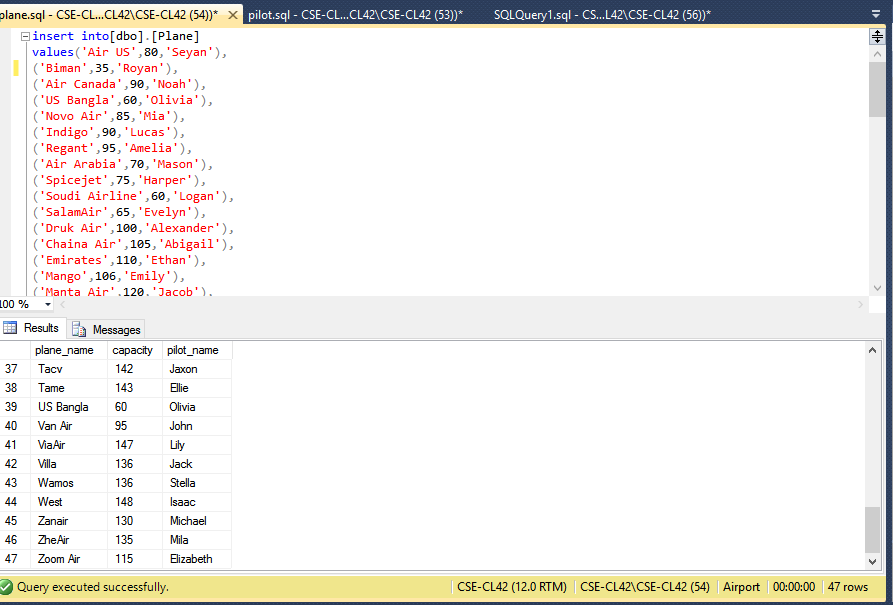


**Insert data into tables:**

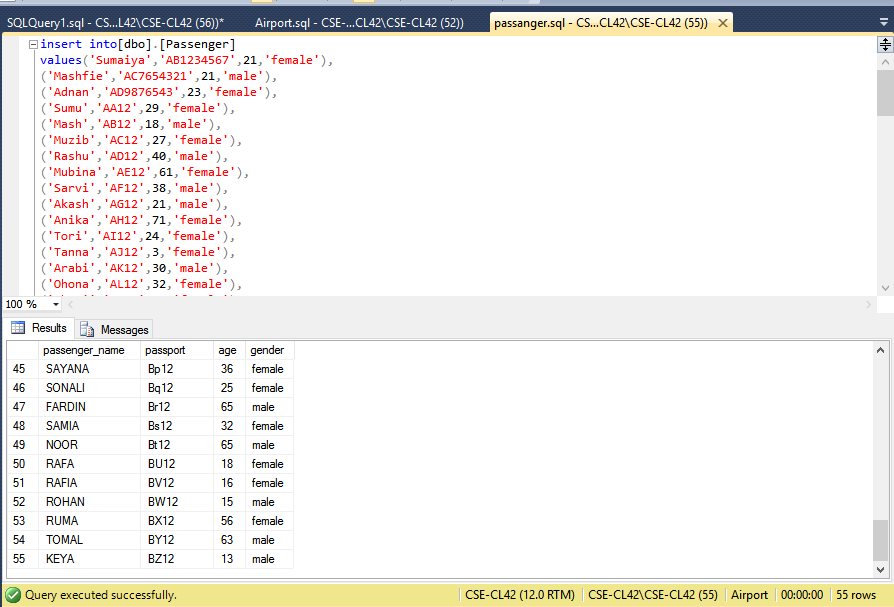
**Table: Pilot**

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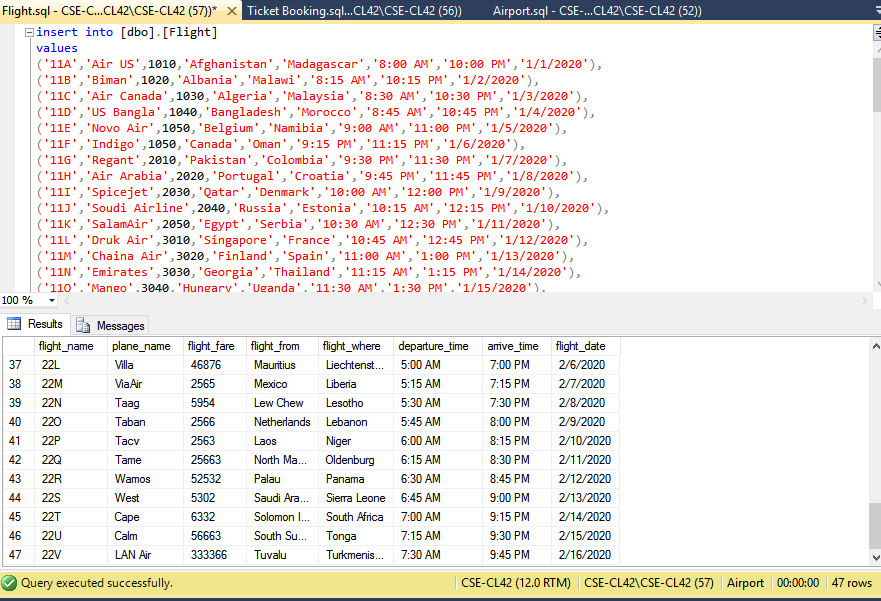
**Table: Plane**



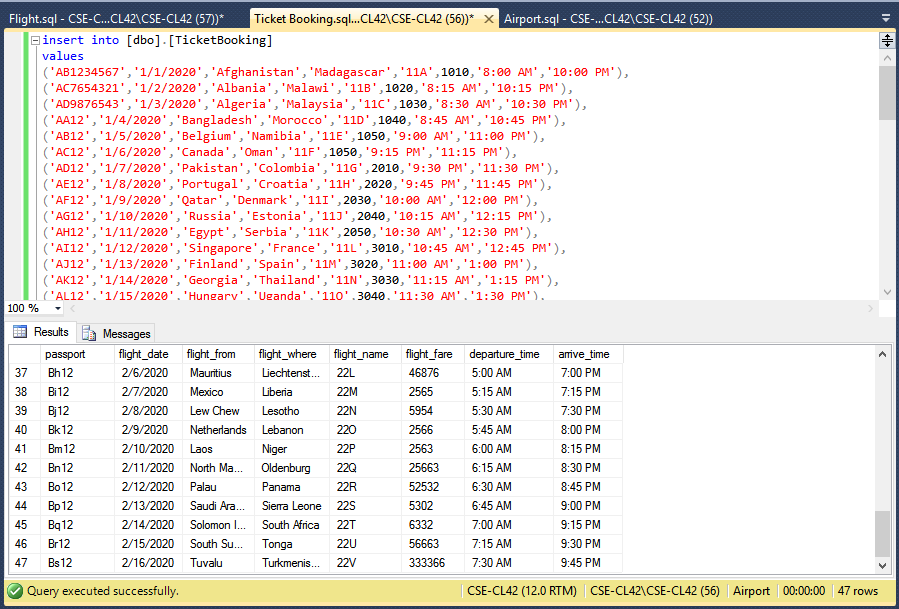
**Table: Passenger**



**Table: Flight**

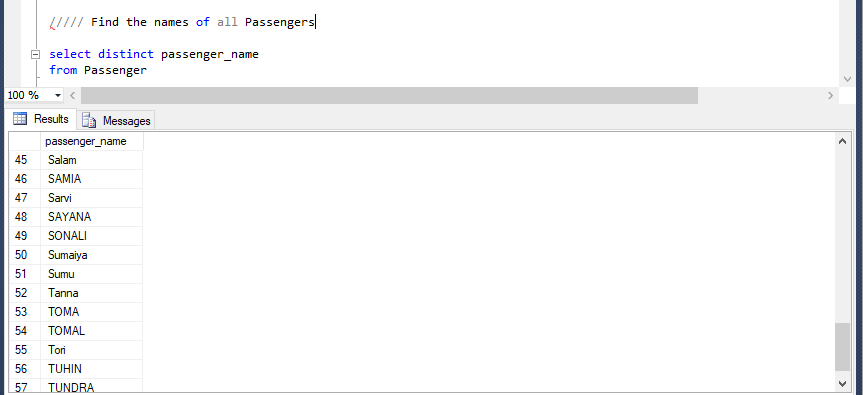
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**Table: Ticket Booking**

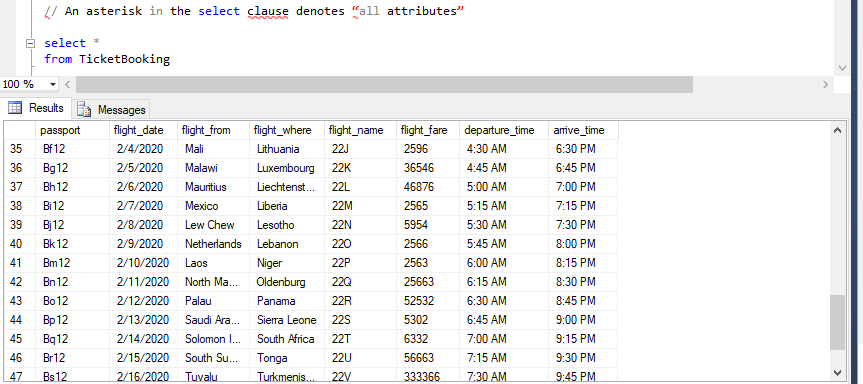
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**Running Query:**

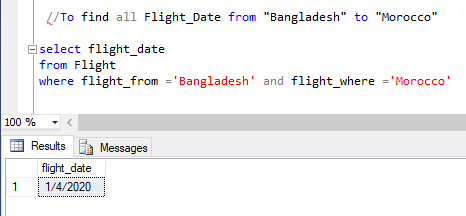
1. **Find the names of all passengers**



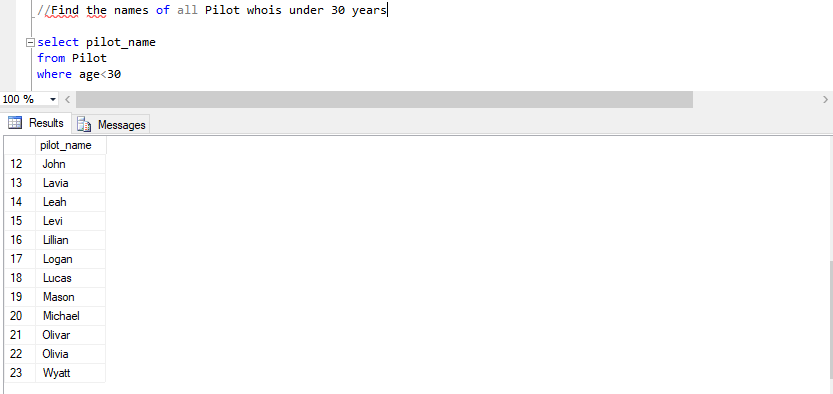
1. **An asterisk in the select clause denotes to “all attributes”**



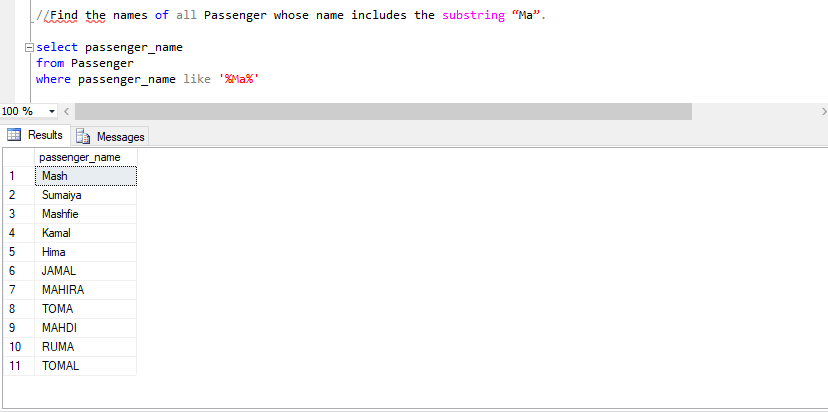
1. **To find all Flight Date from “Bangladesh” to “Morocco”**



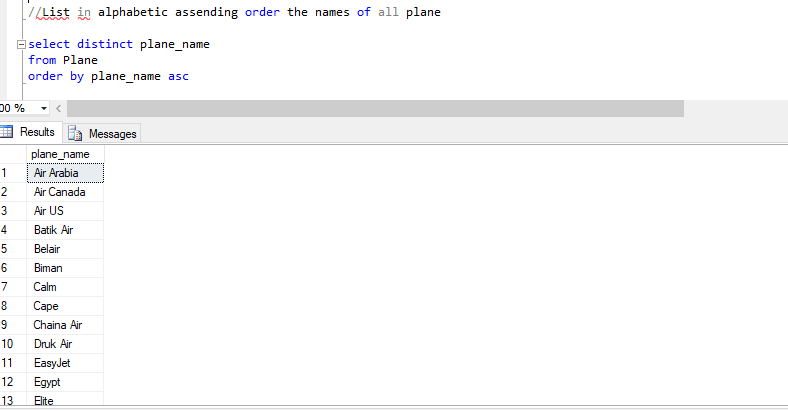
1. **Find the names of all Pilot who is under 30 years old**



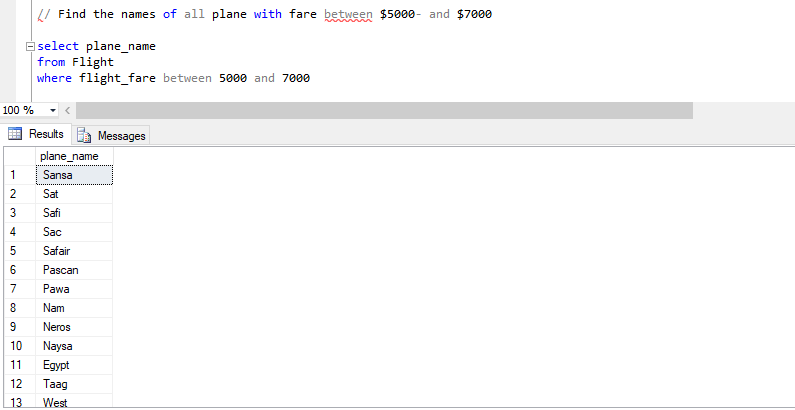
1. **Find the names of all passengers whose name includes the substring “Ma”**



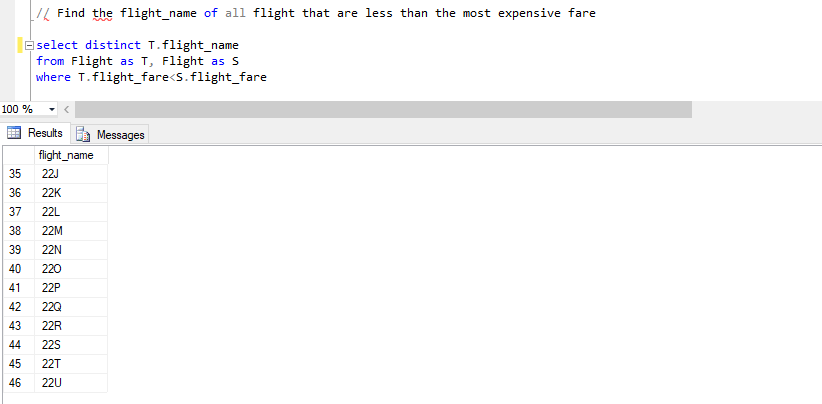
1. **List of the names of all plane in alphabetic ascending order**



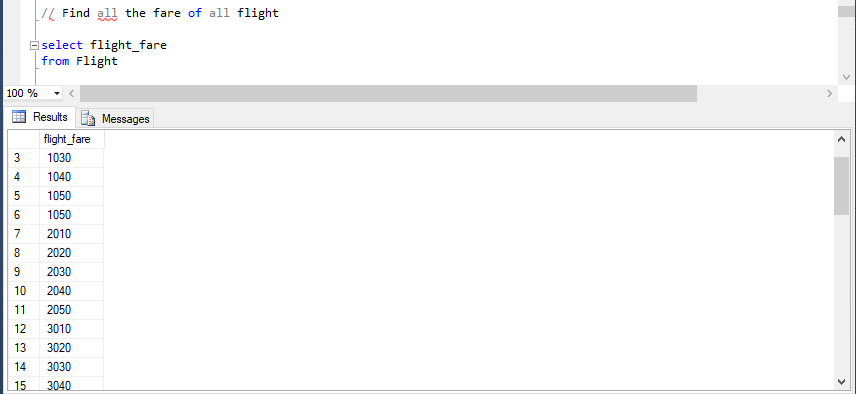
1. **Find the names of all plane with fare between $5000 and $7000**



1. **Find the flight name of all flight that are less than the most expensive fare**



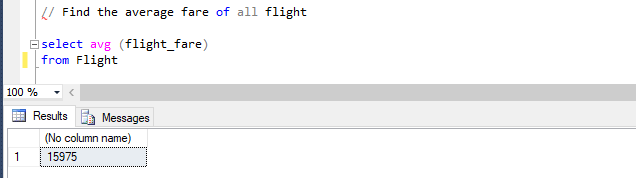
1. **Find all the fare of all flight**



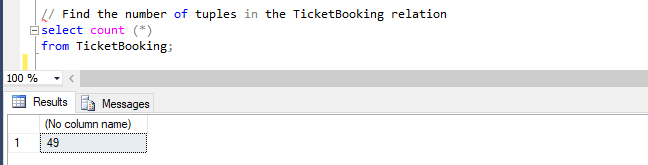
1. **Find the most expensive flight fare**



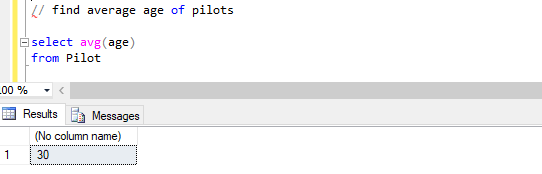
1. **Find the average fare of all flight**



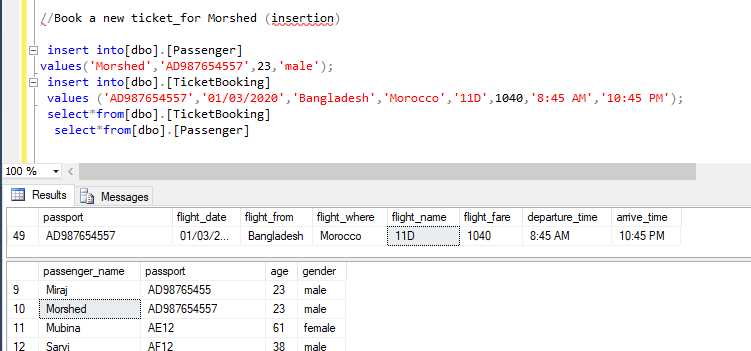
1. **Find the number of tuples in the ticket booking relation**



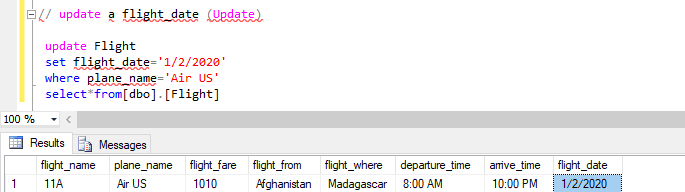
1. **Find average age of pilots**



1. **Book a new ticket for Morshed (Insertion)**



1. **Update a flight date (Update)**



1. **Flight destination of “US Bangla” Plane**

