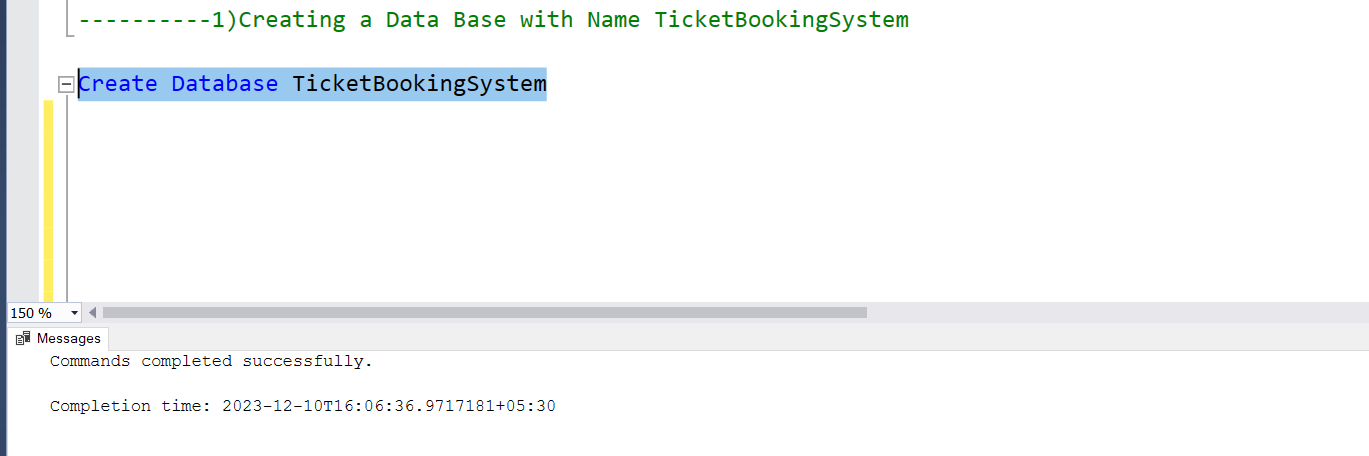
Assignment 5-Ticket Booking System

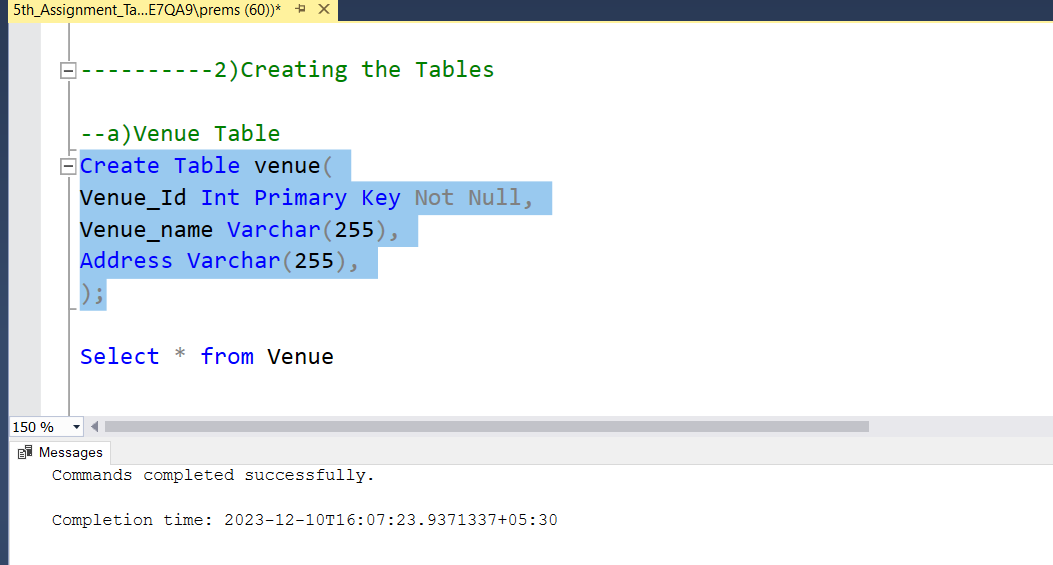
----------------------------Task 1: Database Design ----------------------------

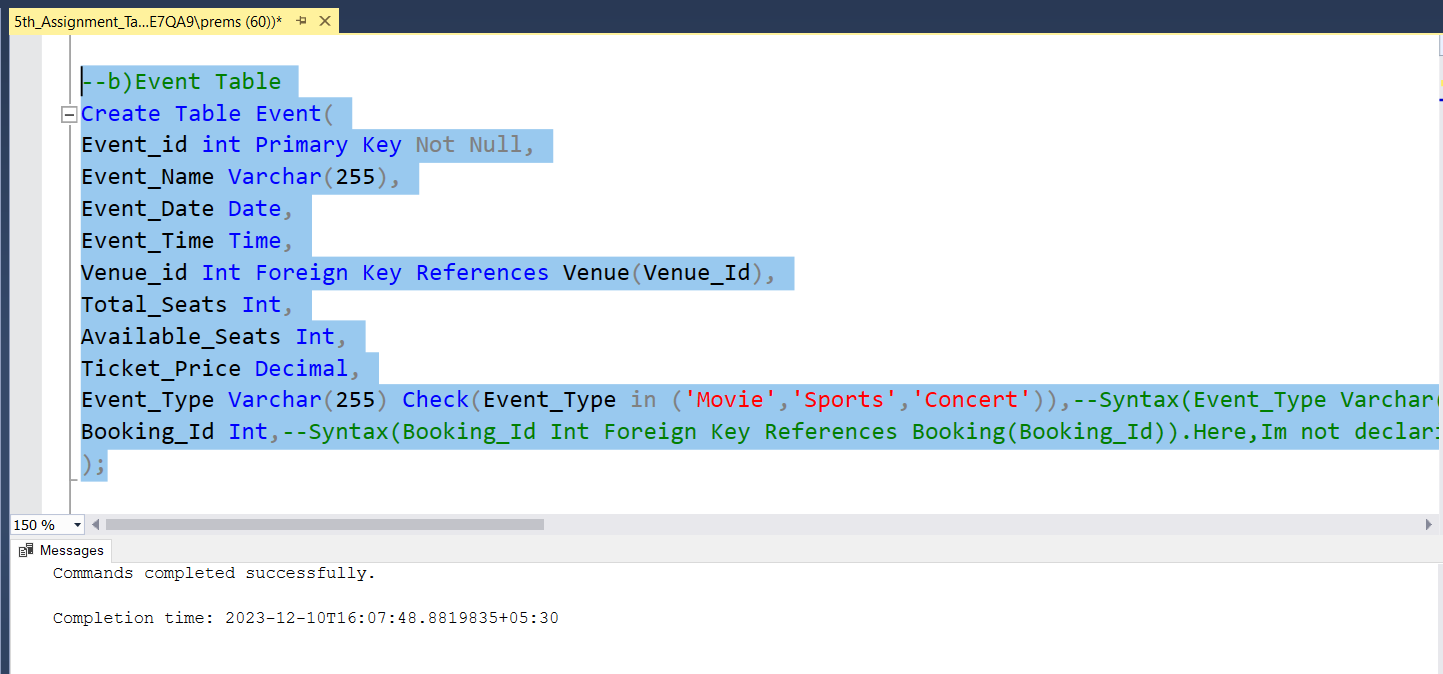
1. Create the database named "TicketBookingSystem"

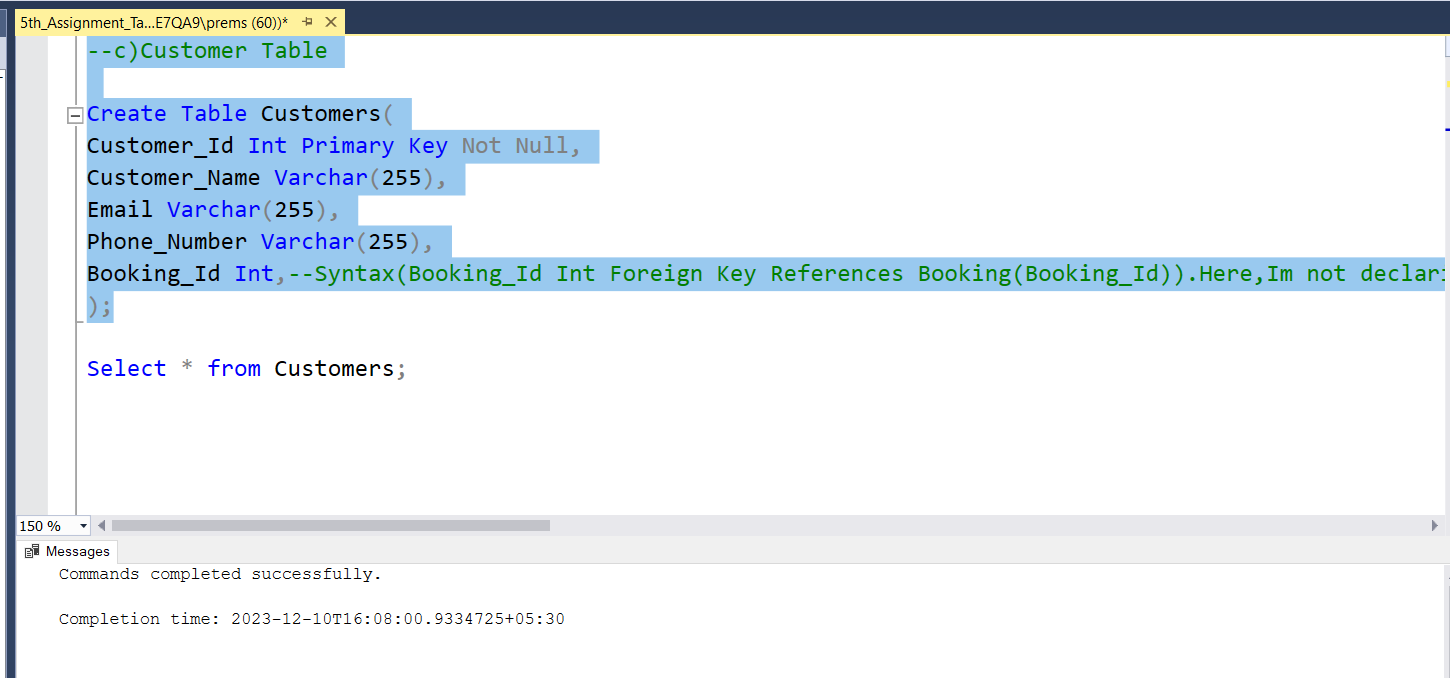


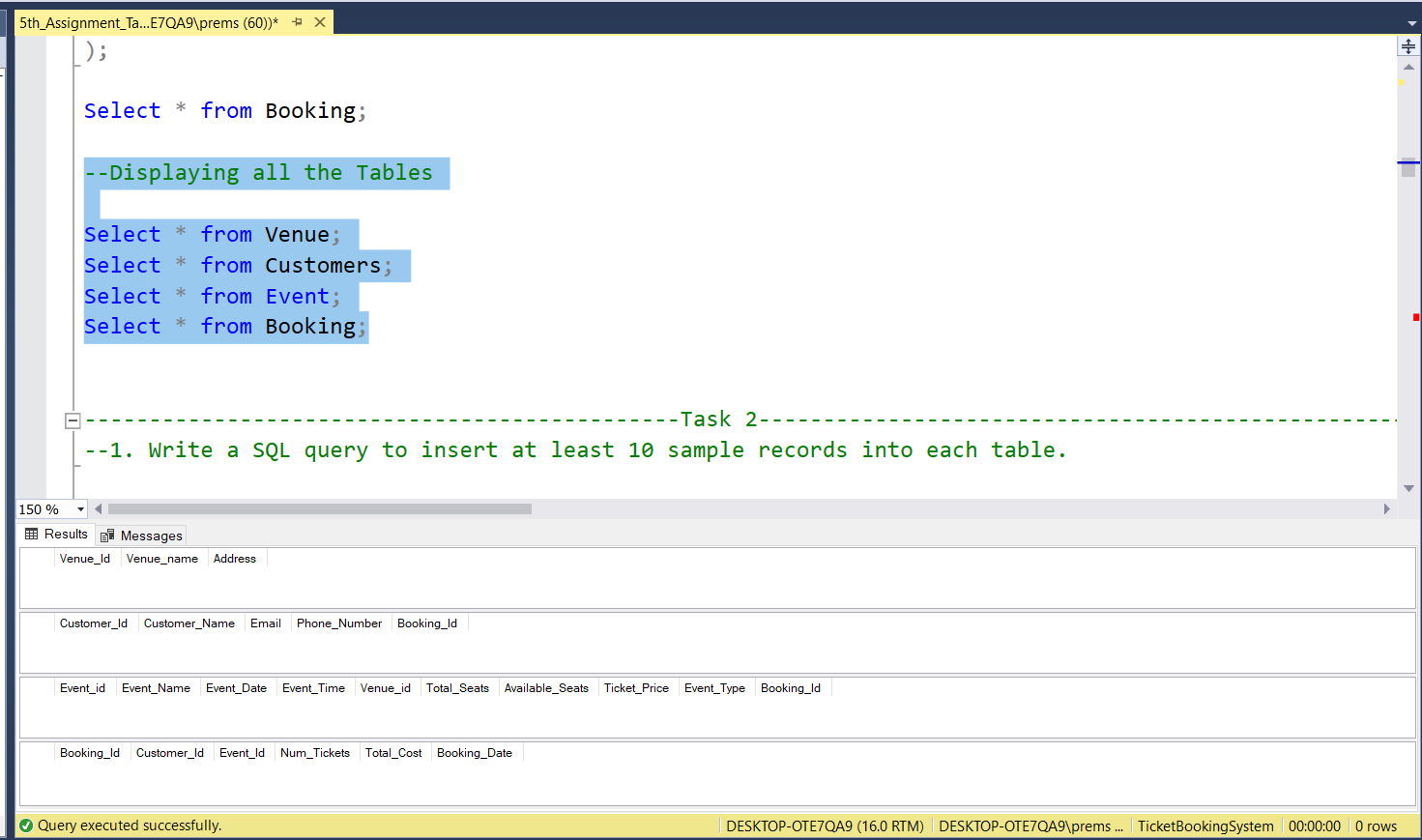
2) Write SQL scripts to create the mentioned tables with appropriate data types, constraints, and relationships.

• Venu • Event • Customers • Booking

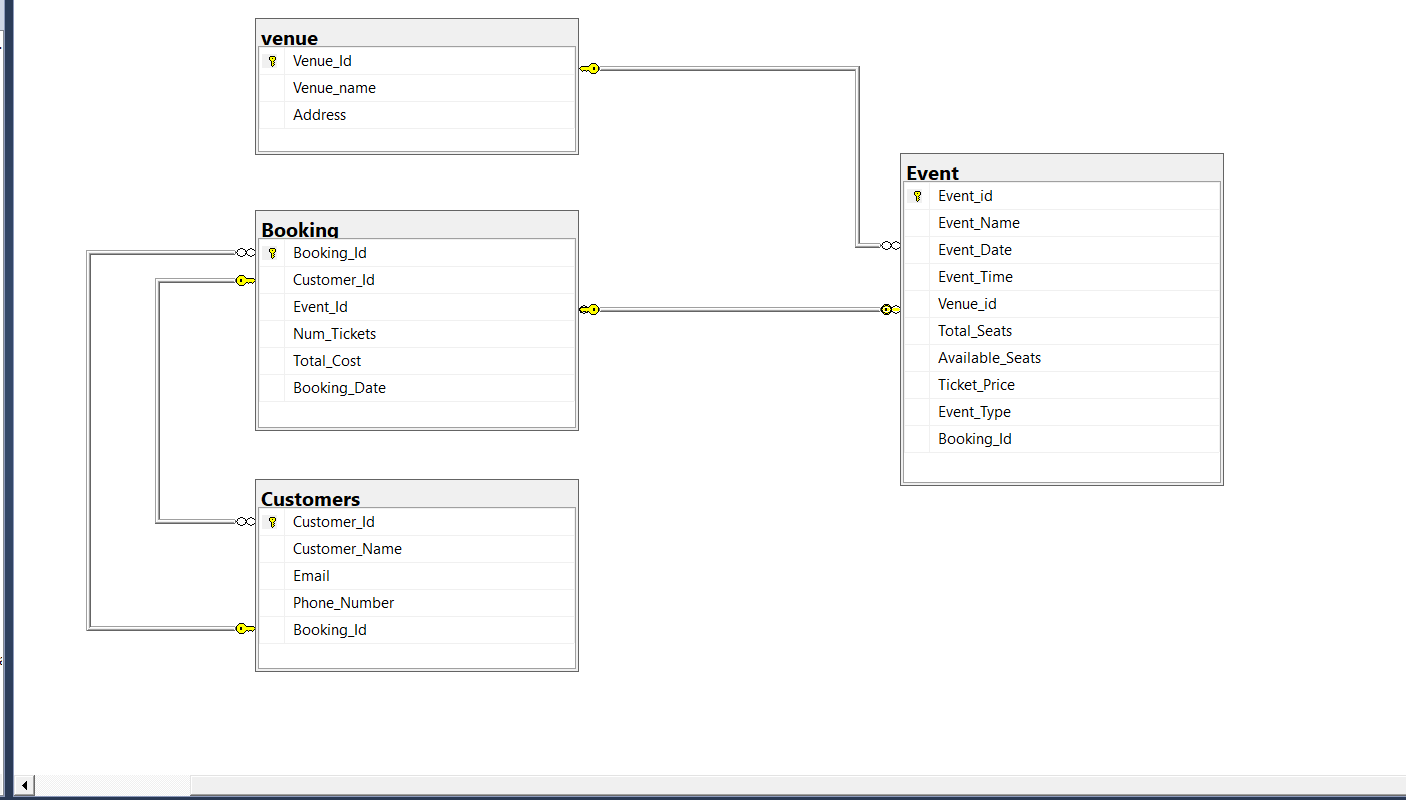






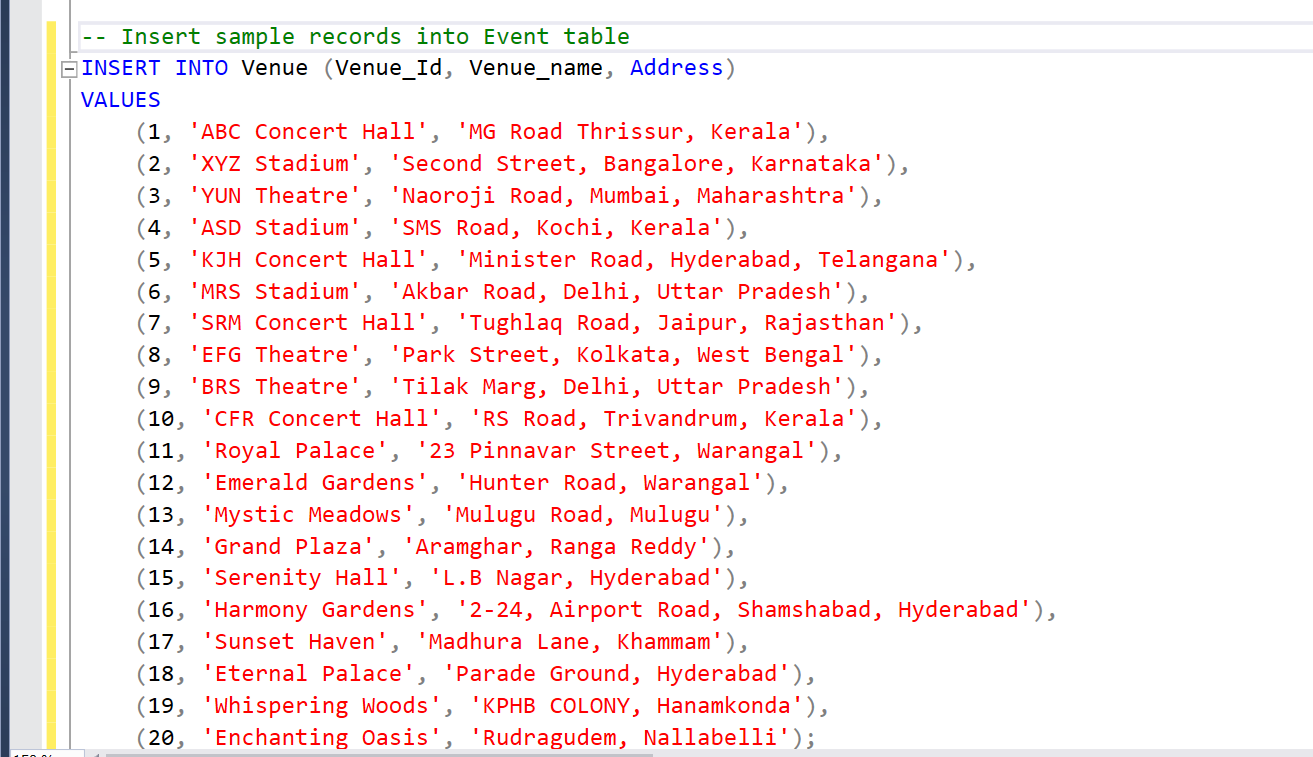


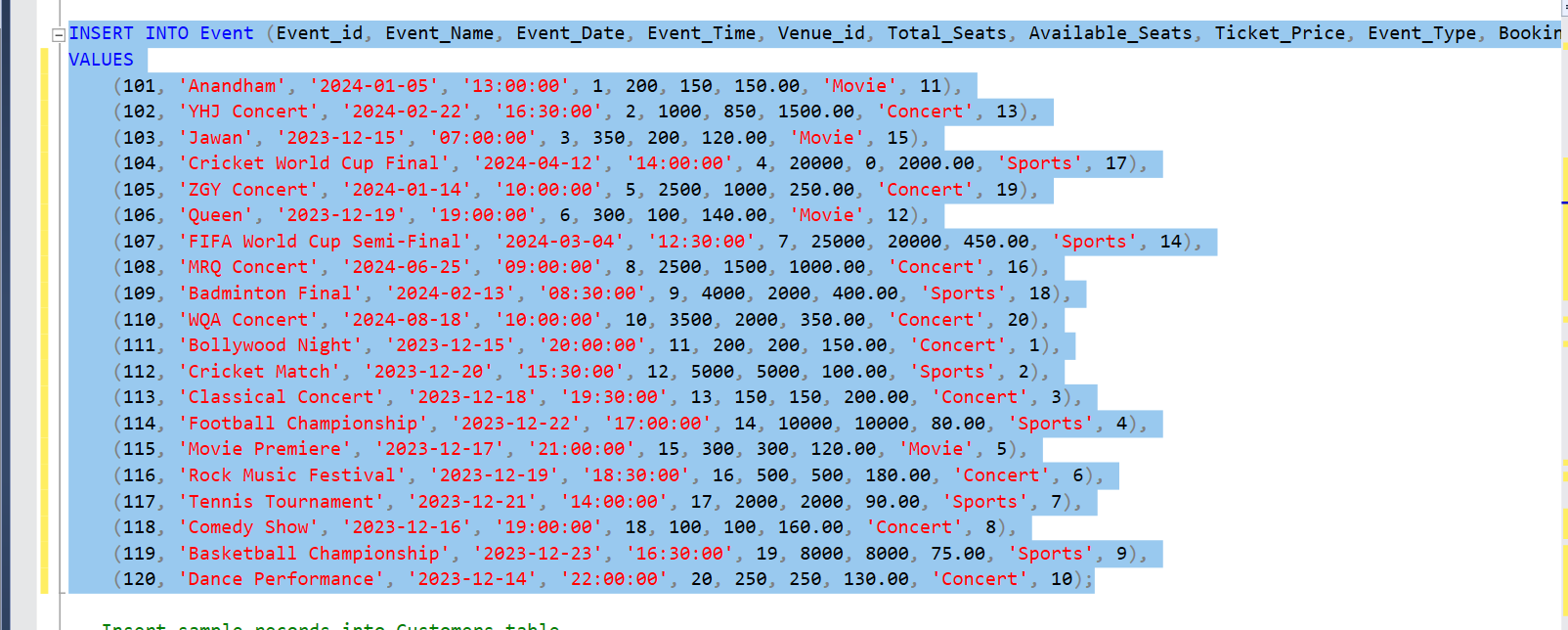
3. Create an ERD (Entity Relationship Diagram) for the database.

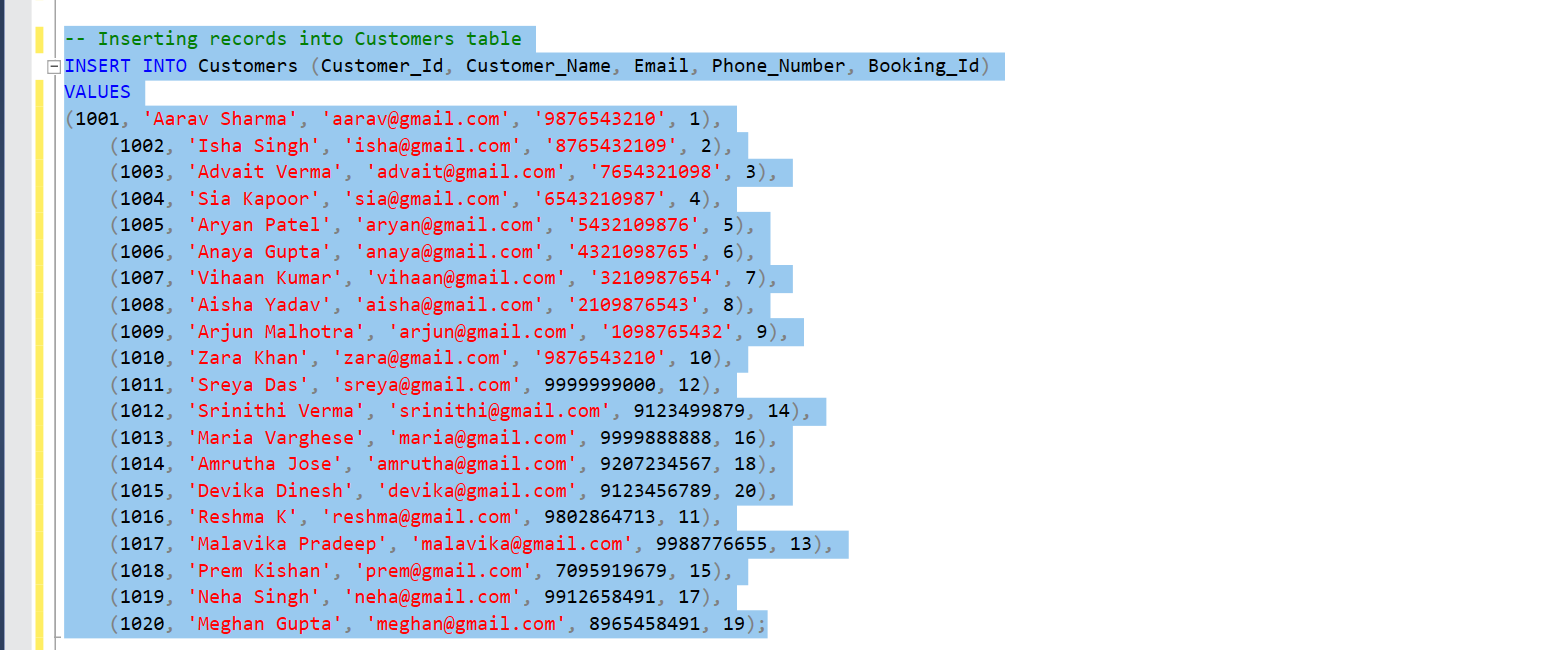


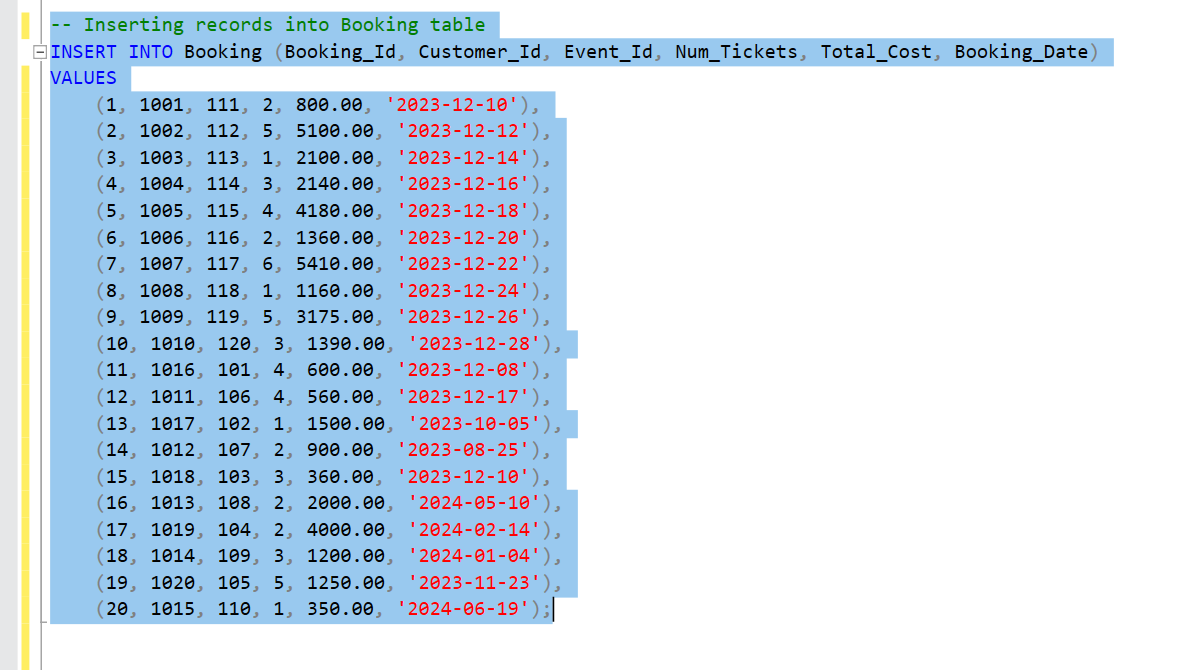
------------------Tasks 2: Select, Where, Between, AND, LIKE: ------------

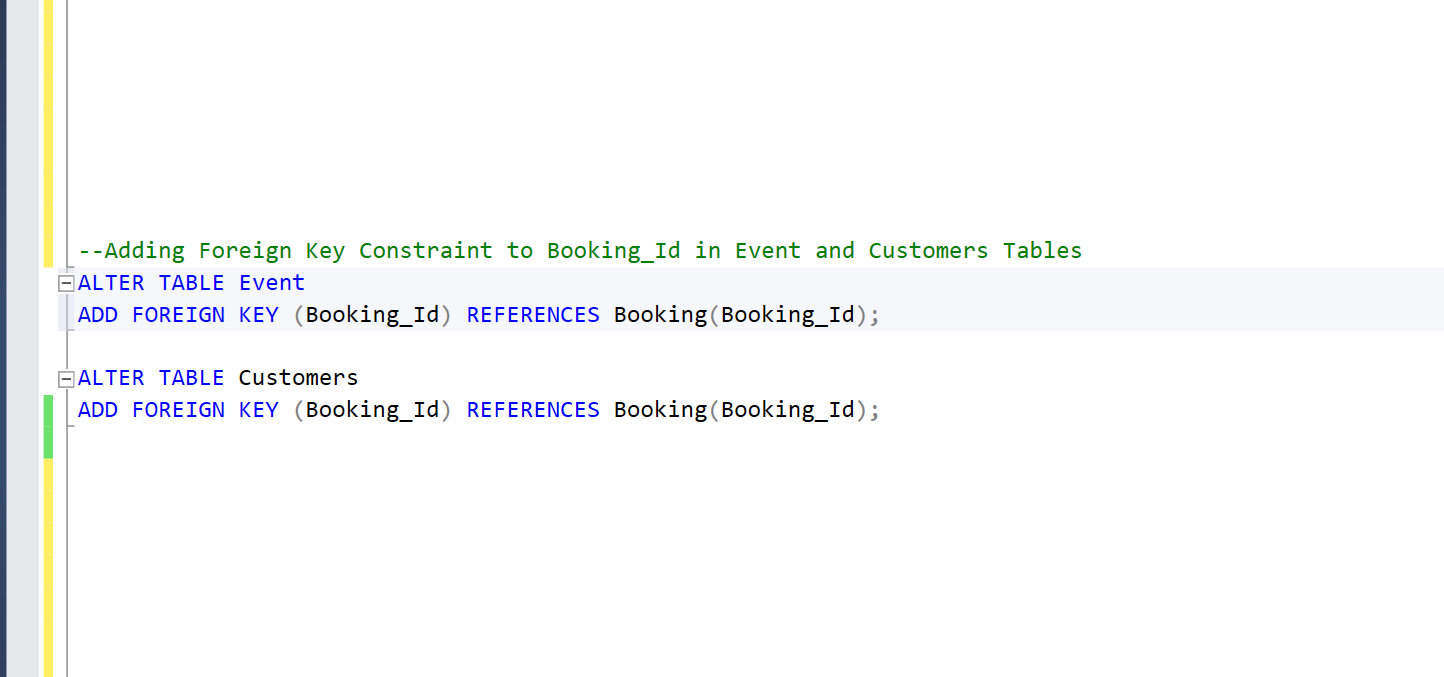
4)Write a SQL query to insert at least 10 sample records into each table.

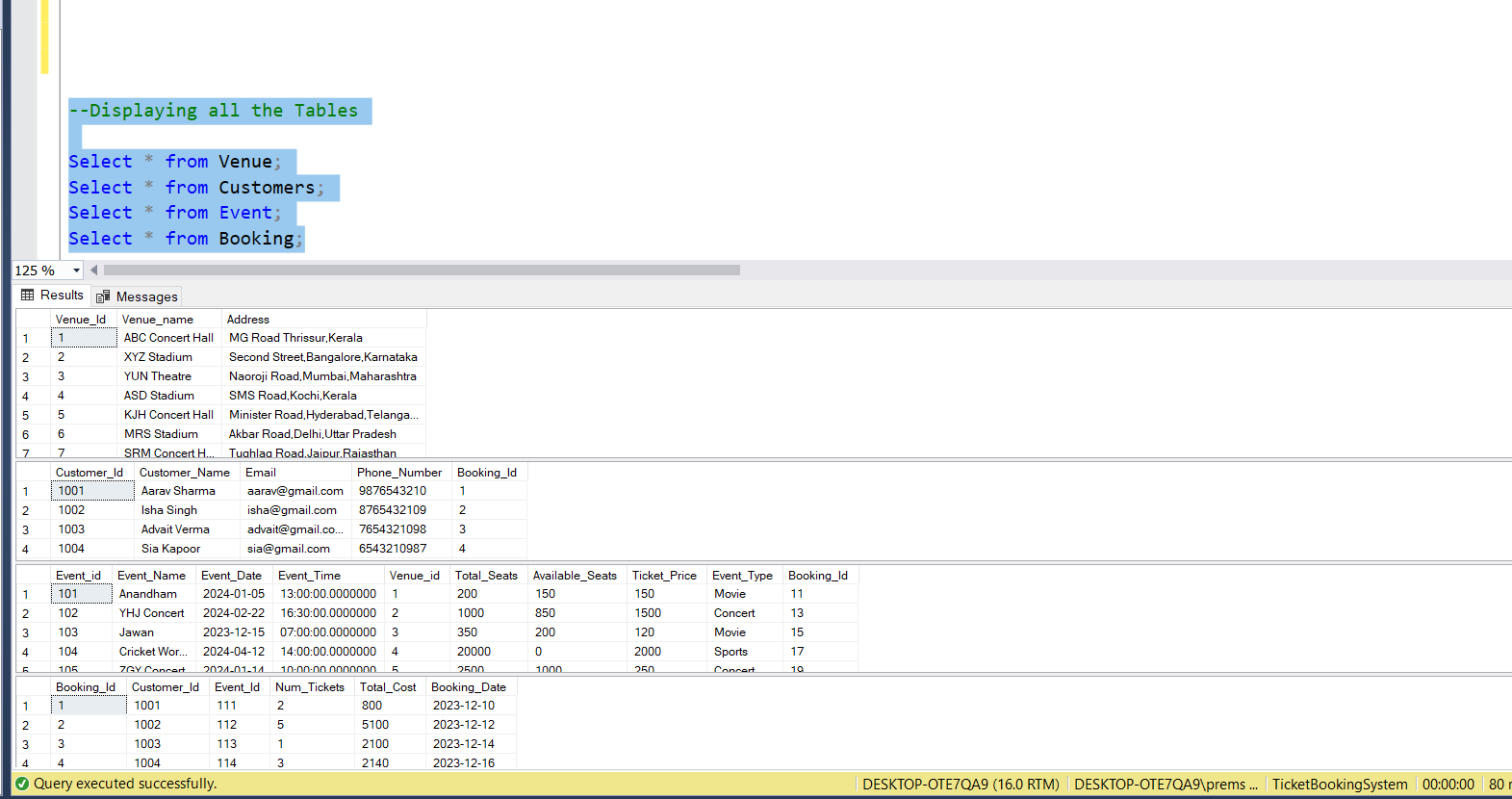


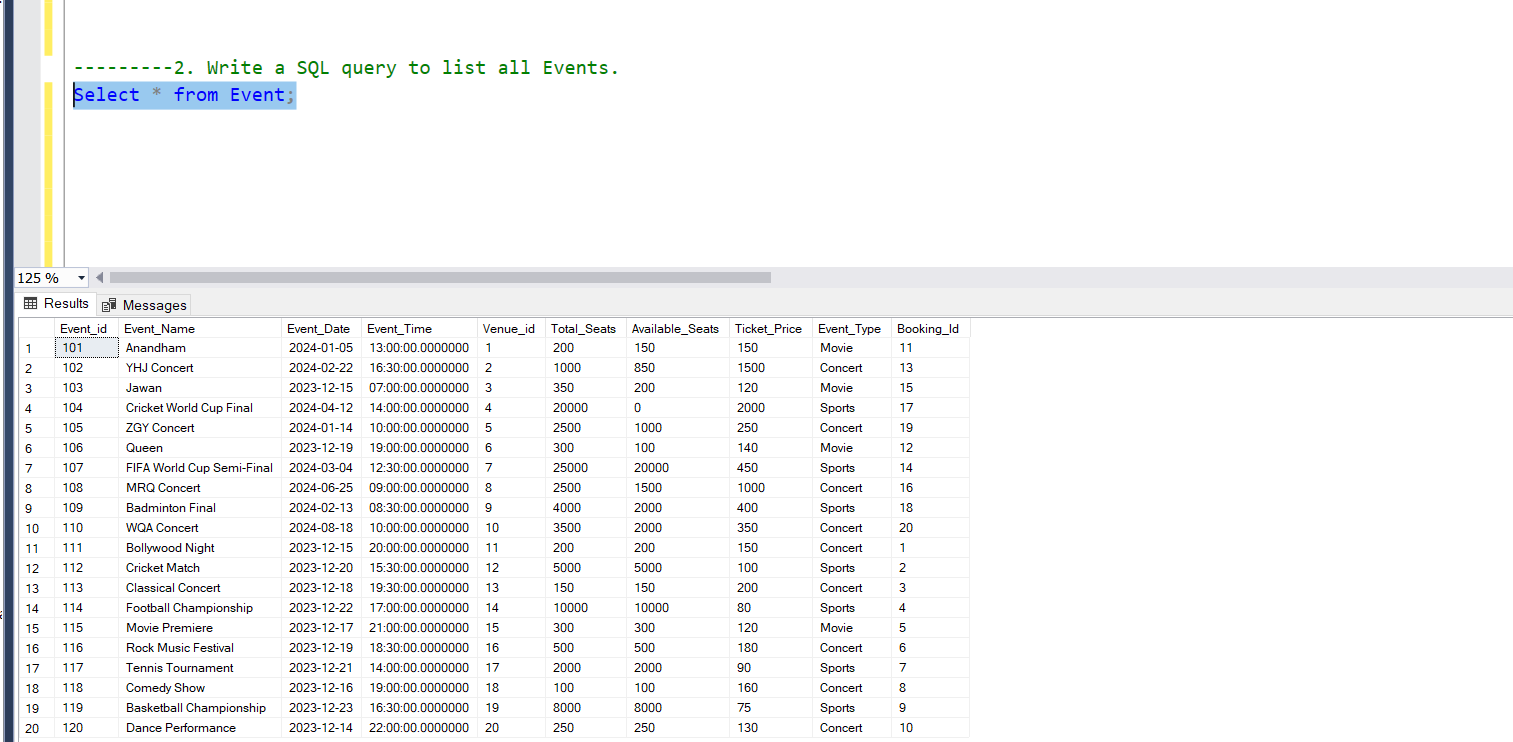




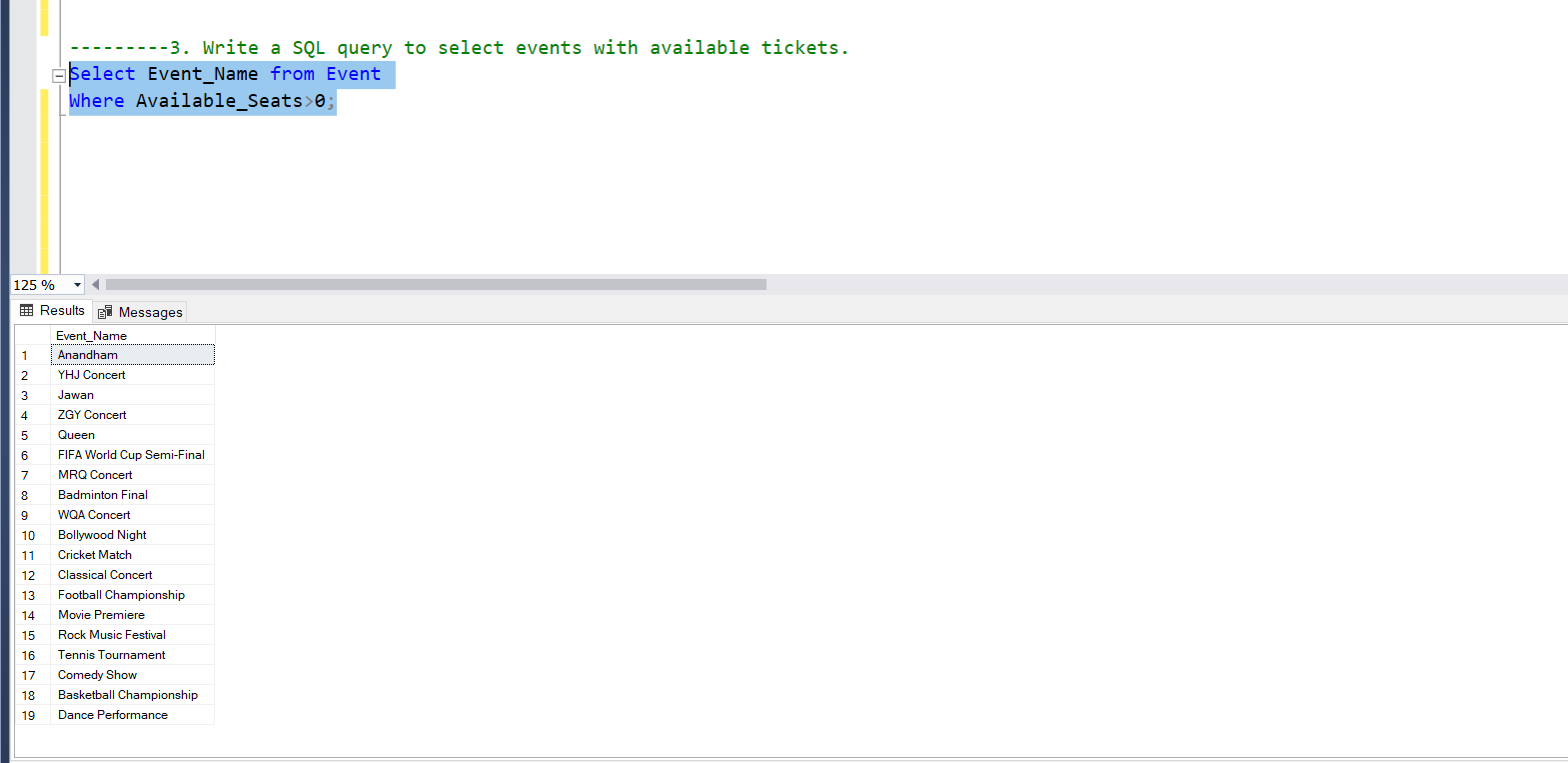




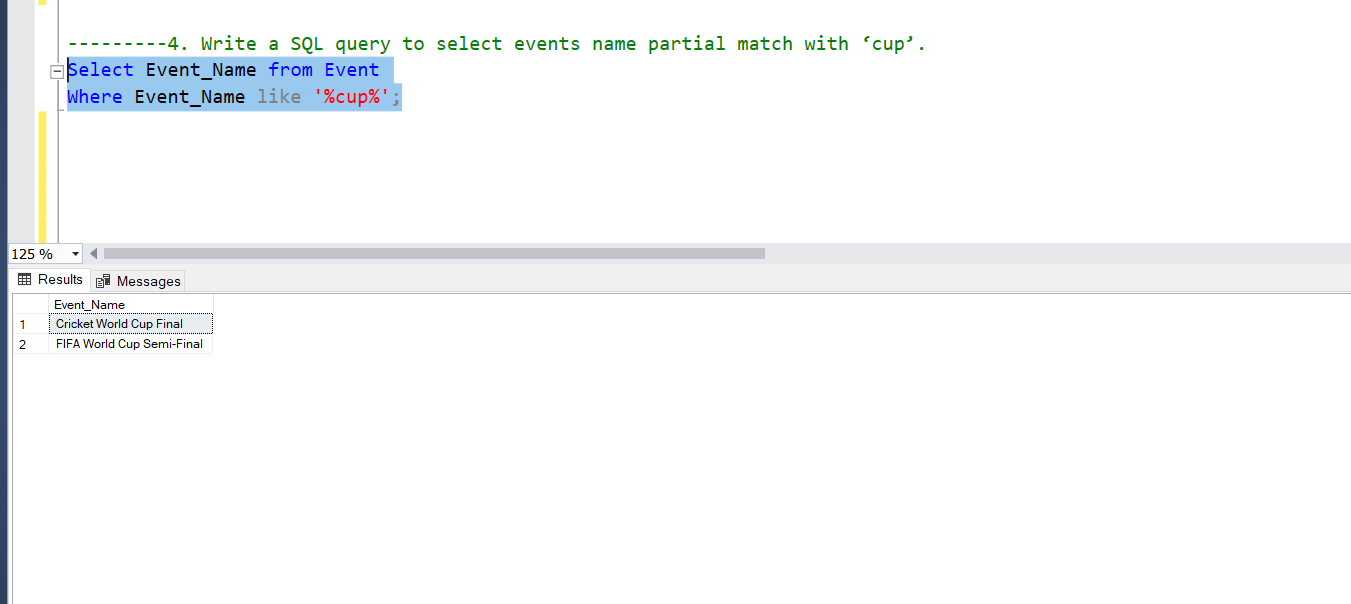


5)Write a SQL query to list all Events.

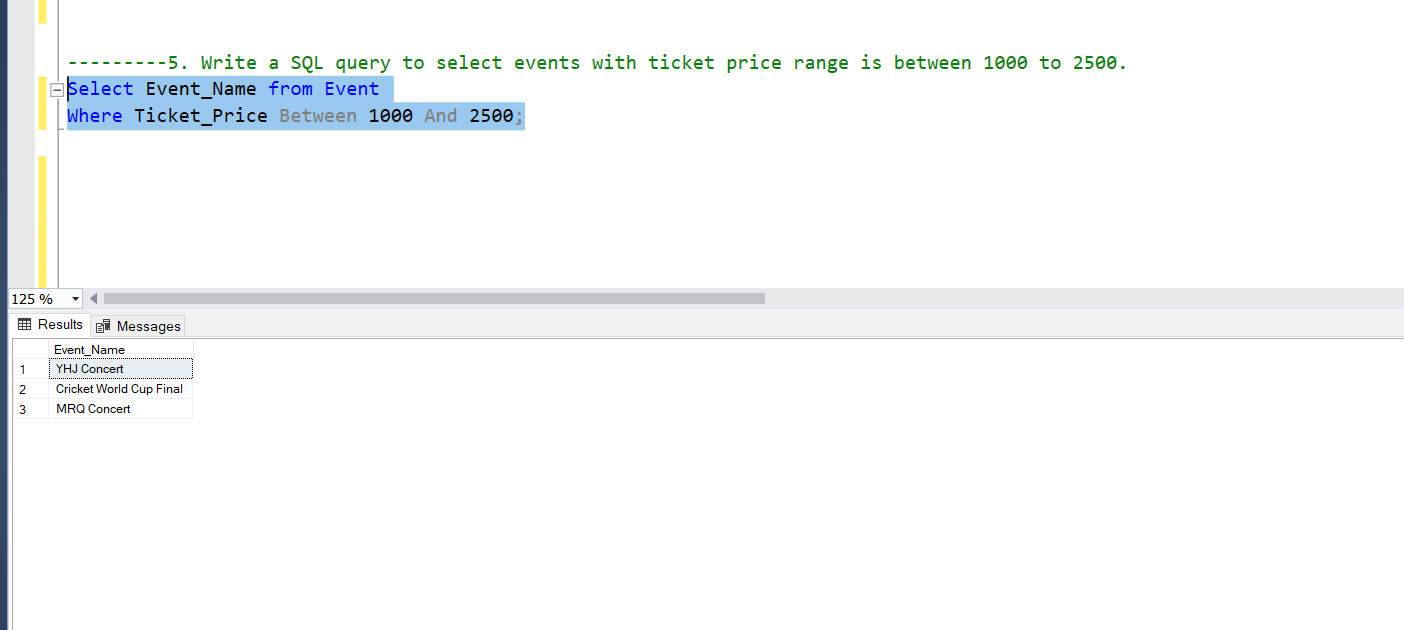
6)Write a SQL query to select events with available tickets.

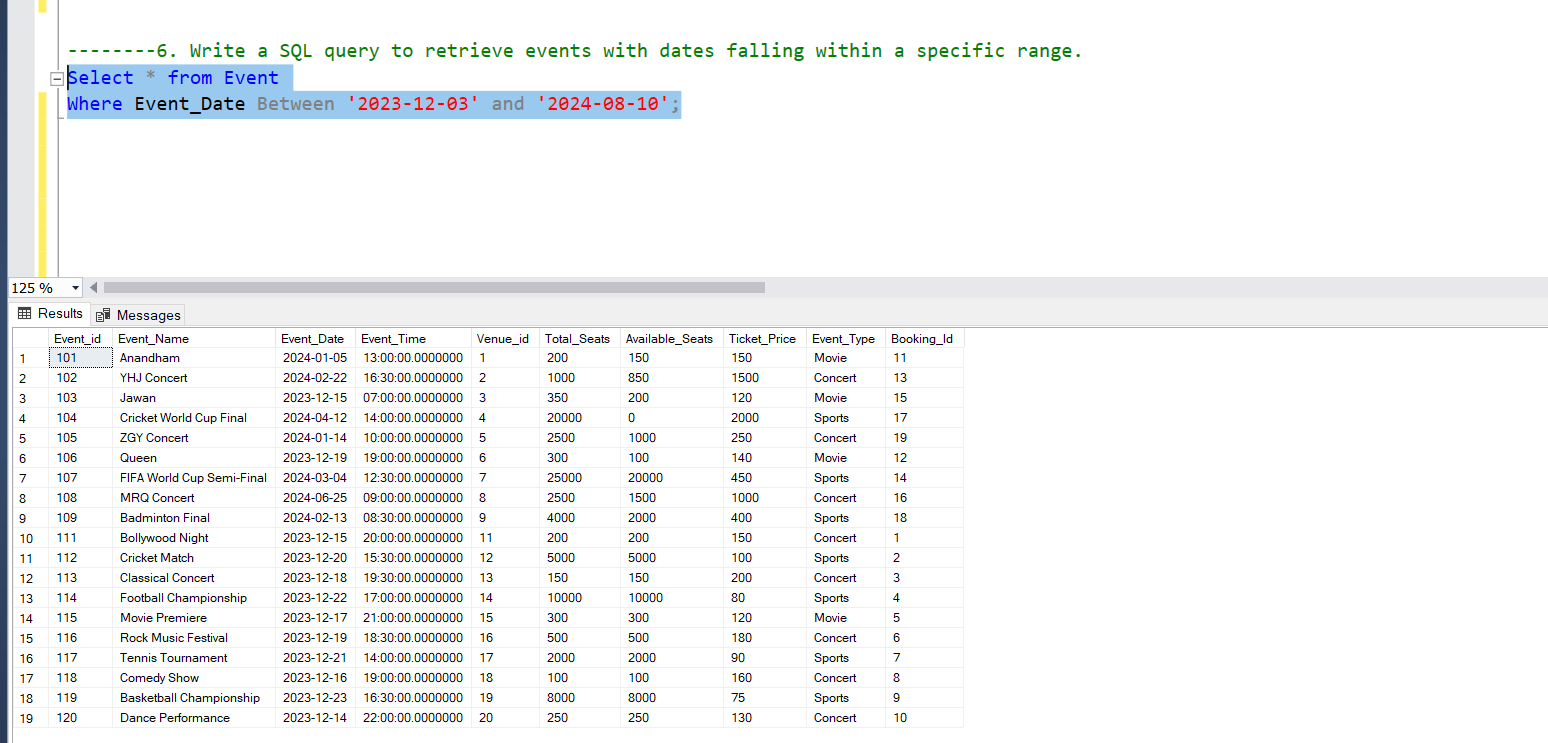


7)Write a SQL query to select events name partial match with ‘cup’.

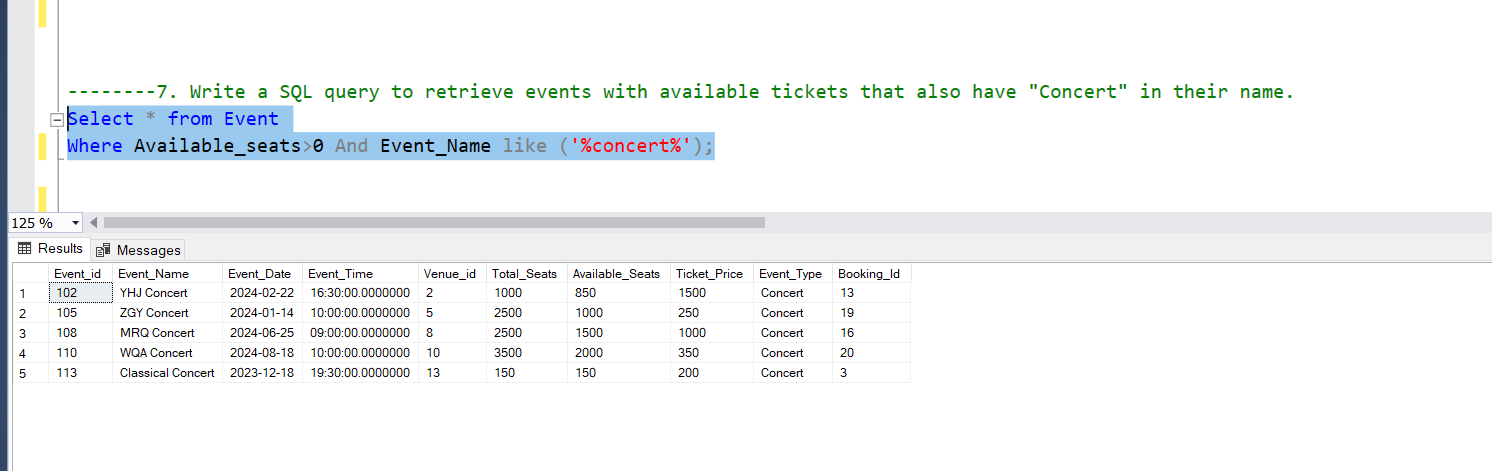


8) Write a SQL query to select events with ticket price range is between 1000 to 2500.

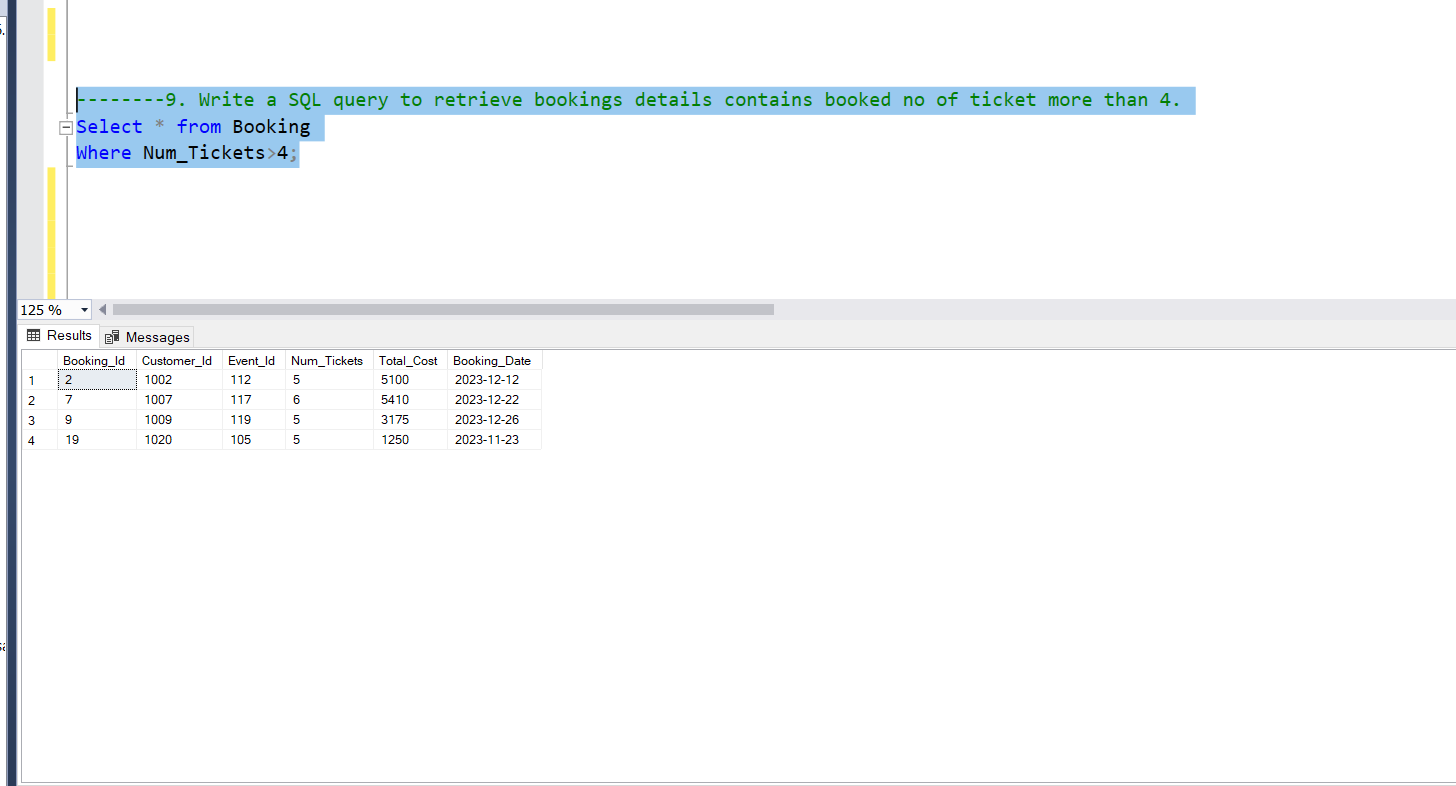


9) Write a SQL query to retrieve events with dates falling within a specific range.

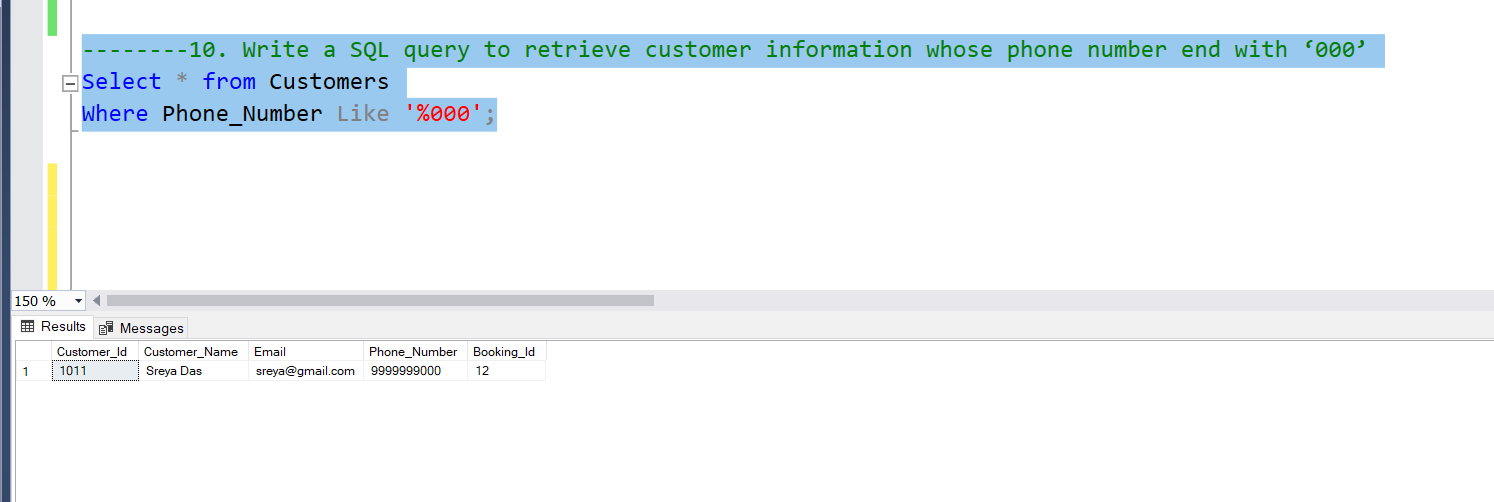
10)Write a SQL query to retrieve events with available tickets that also have "Concert" in their name.



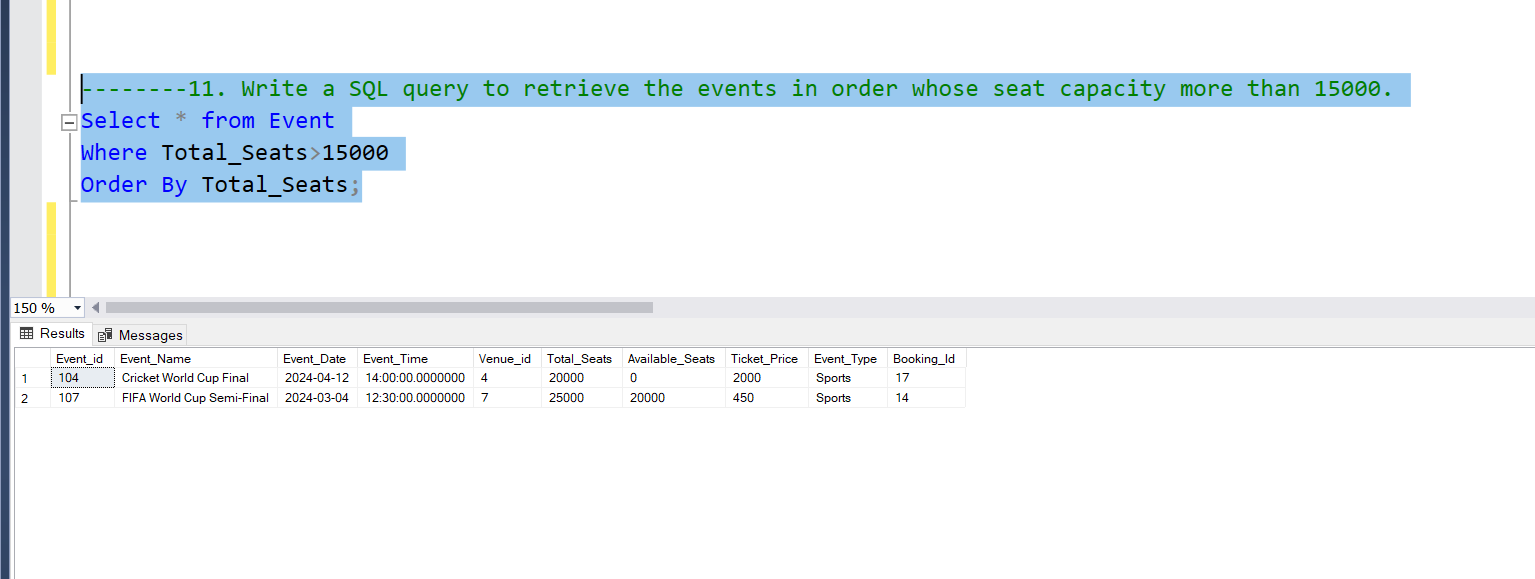
11) Write a SQL query to retrieve bookings details contains booked no of ticket more than 4.



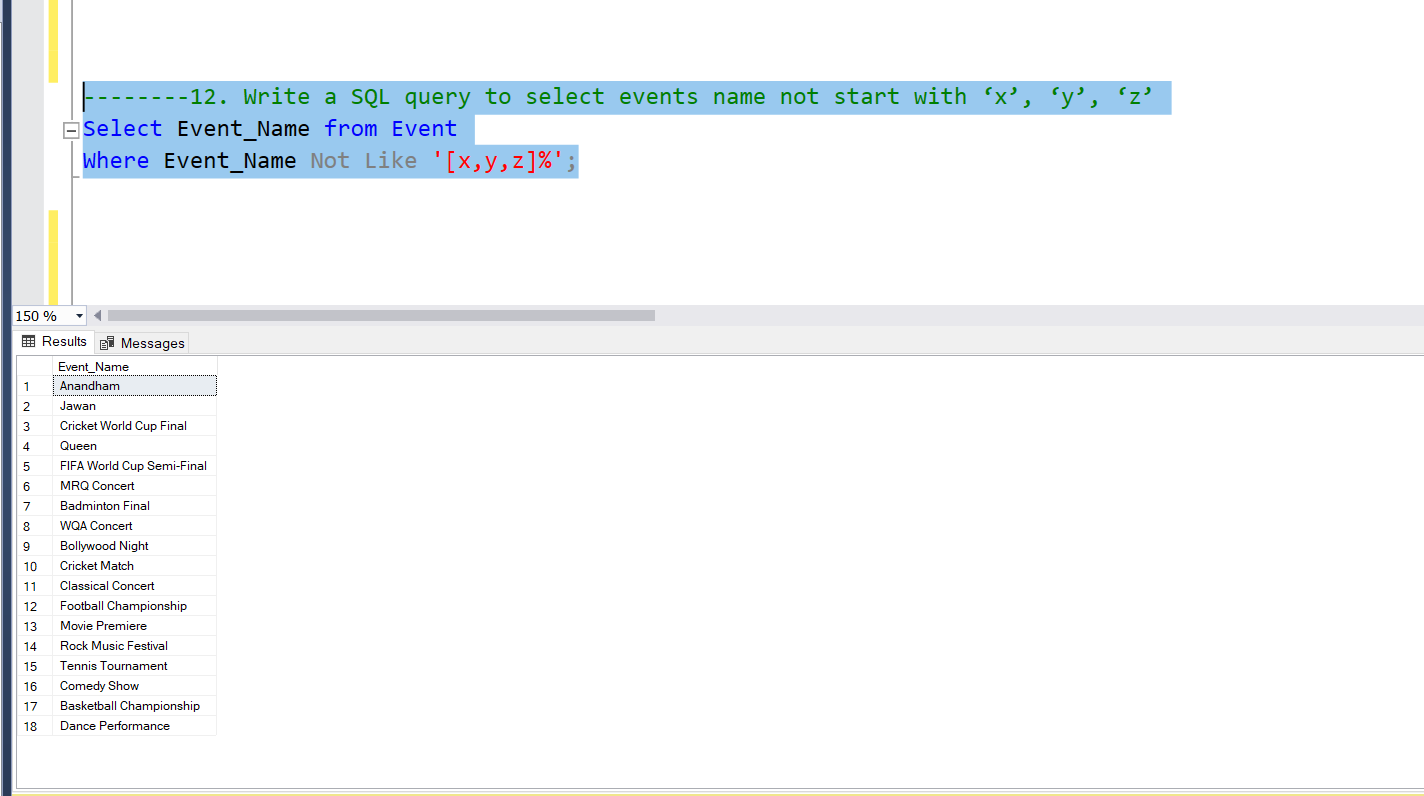
12) Write a SQL query to retrieve customer information whose phone number end with ‘000’.



13) Write a SQL query to retrieve the events in order whose seat capacity more than 15000.

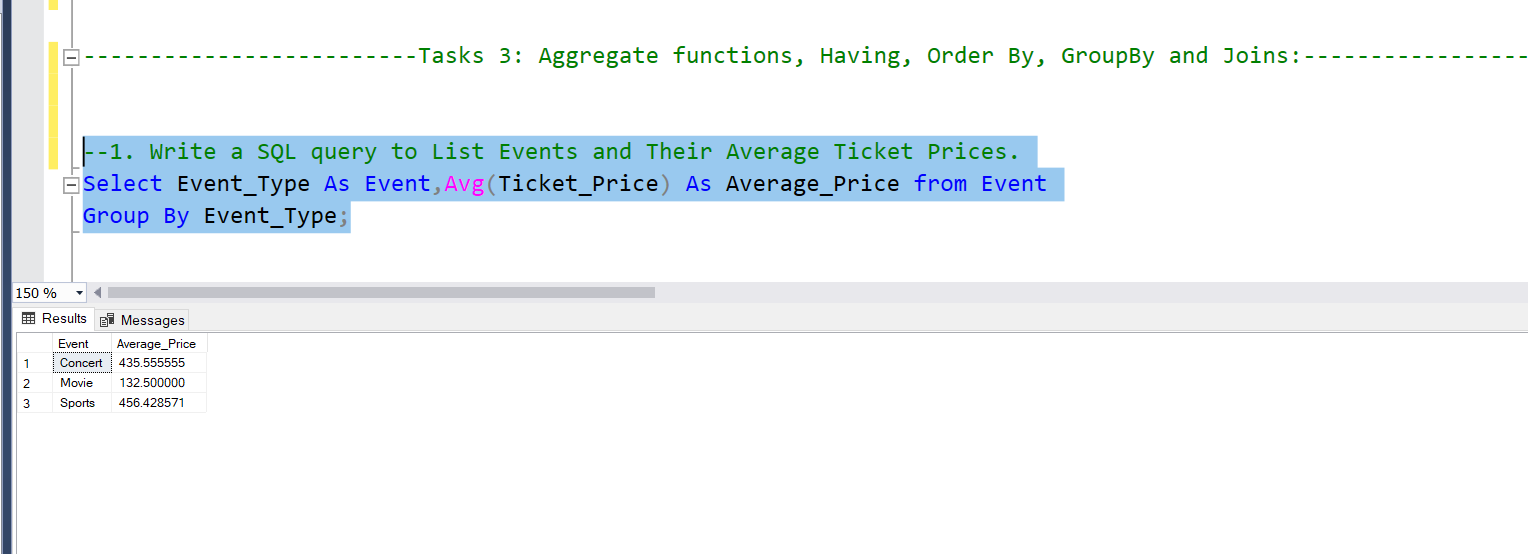


14) Write a SQL query to select events name not start with ‘x’, ‘y’, ‘z’.

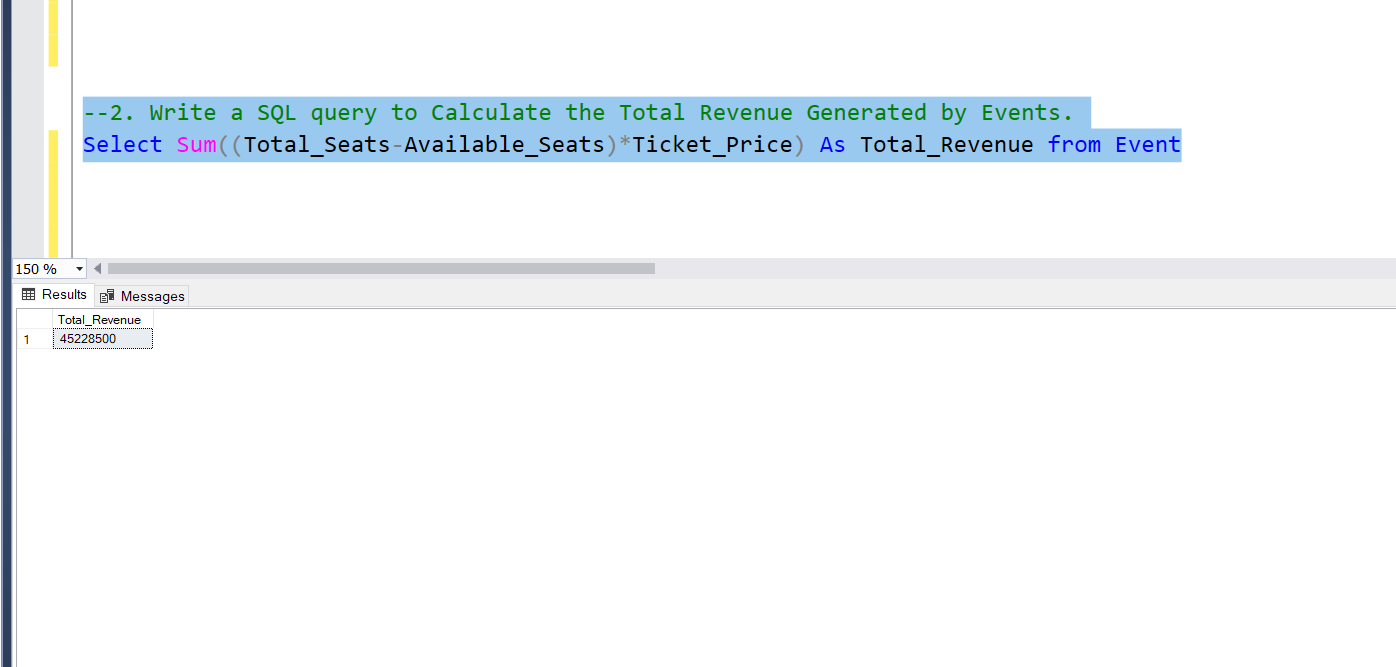


-------------------------------------Tasks 3-----------------------------------------

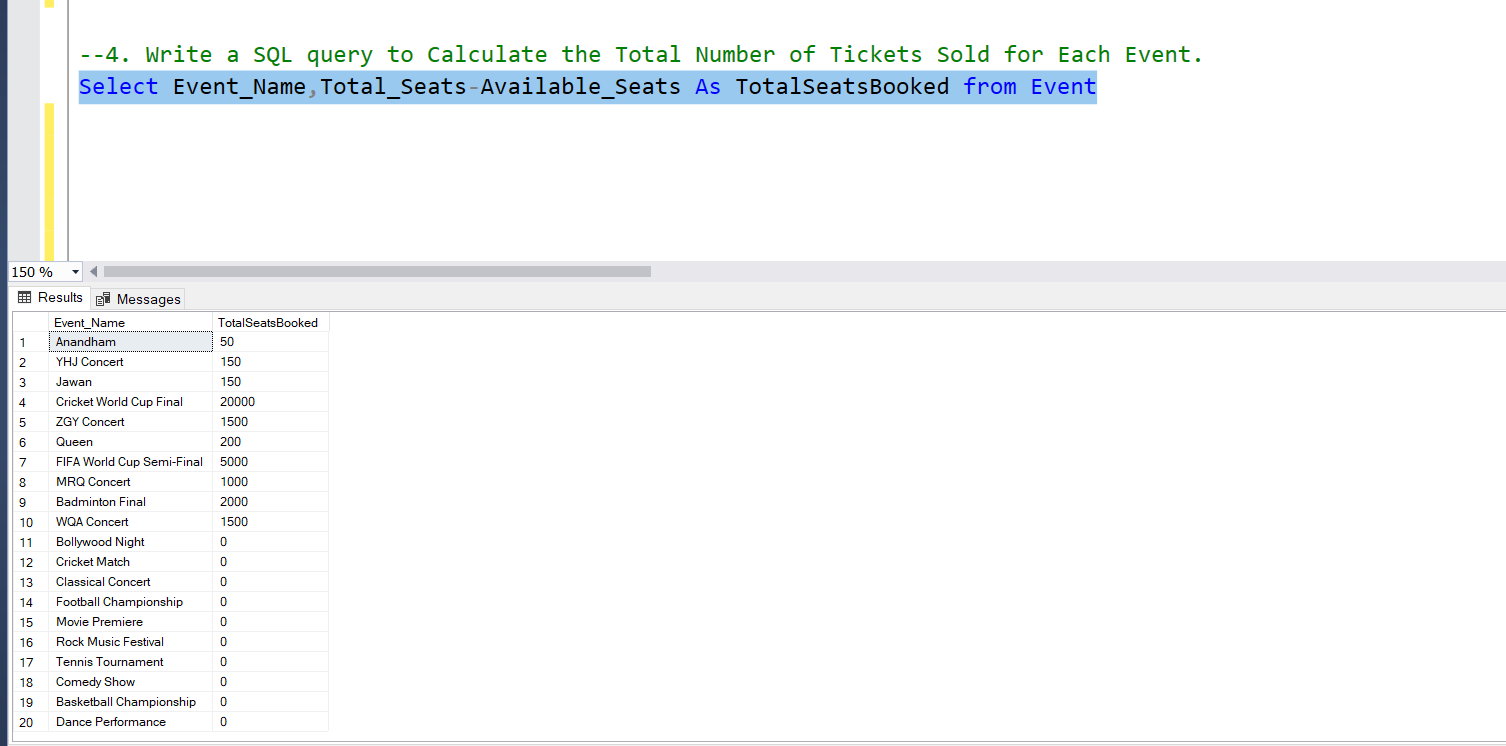
15)Write a SQL query to List Events and Their Average Ticket Prices.



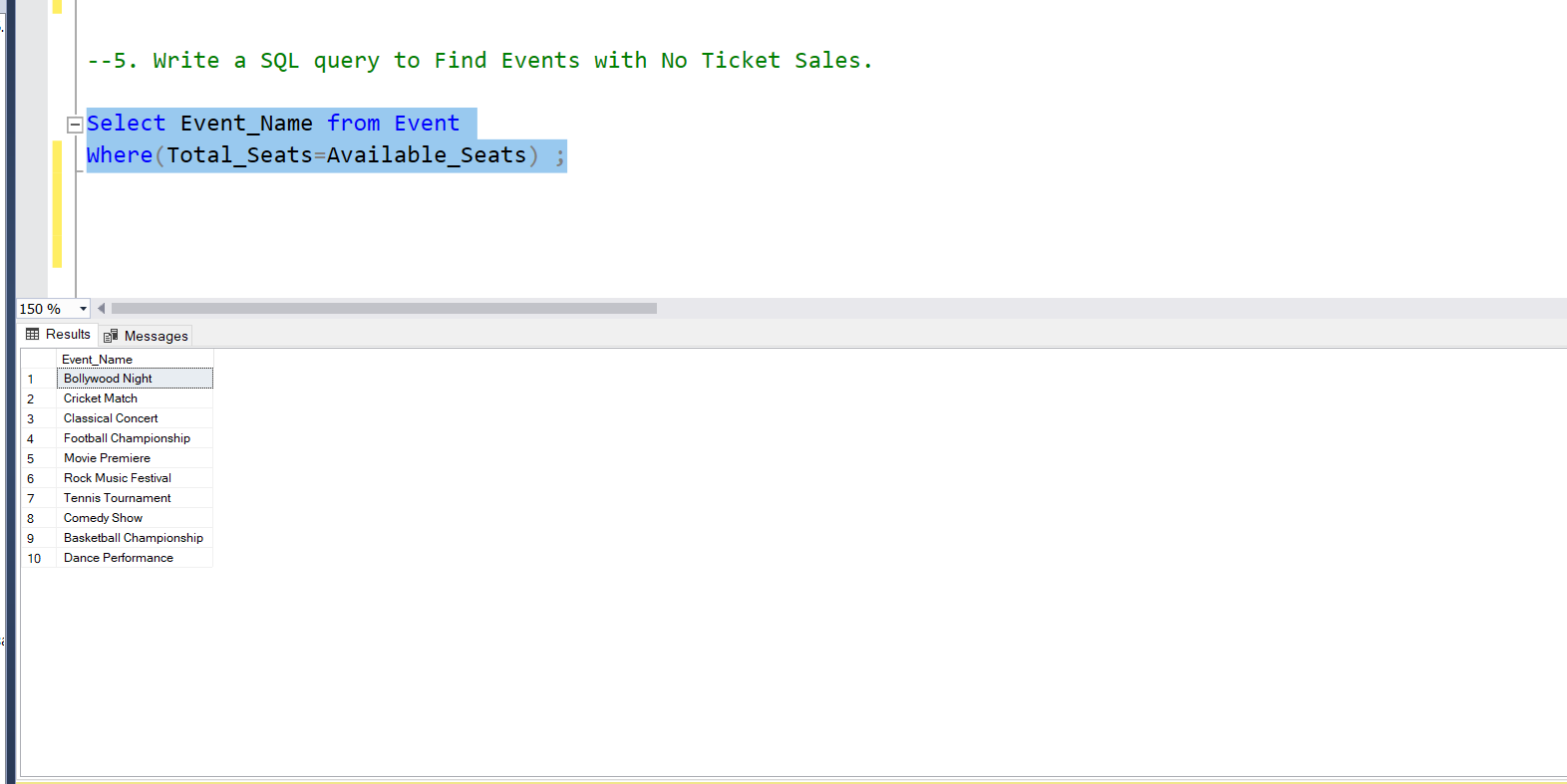
16)Write a SQL query to Calculate the Total Revenue Generated by Events.

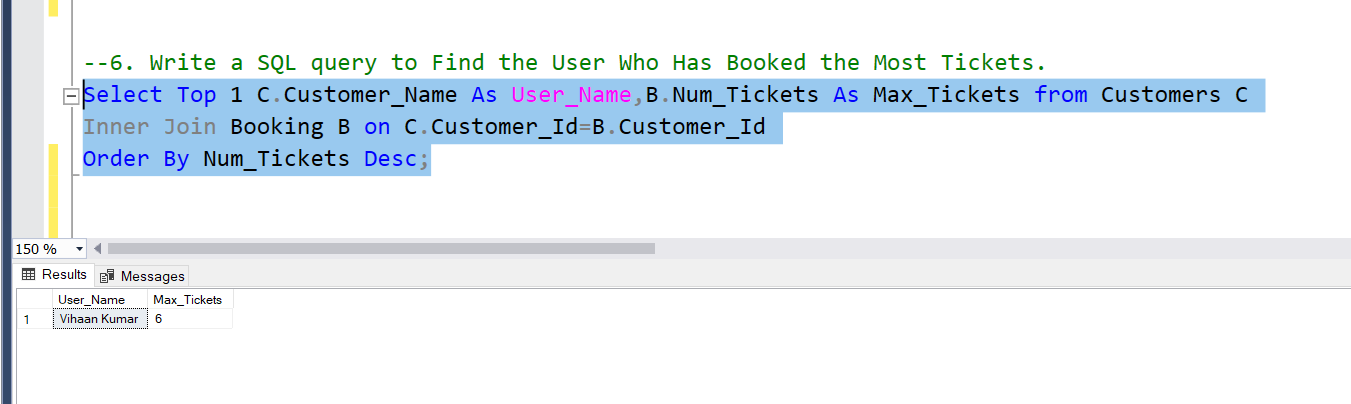


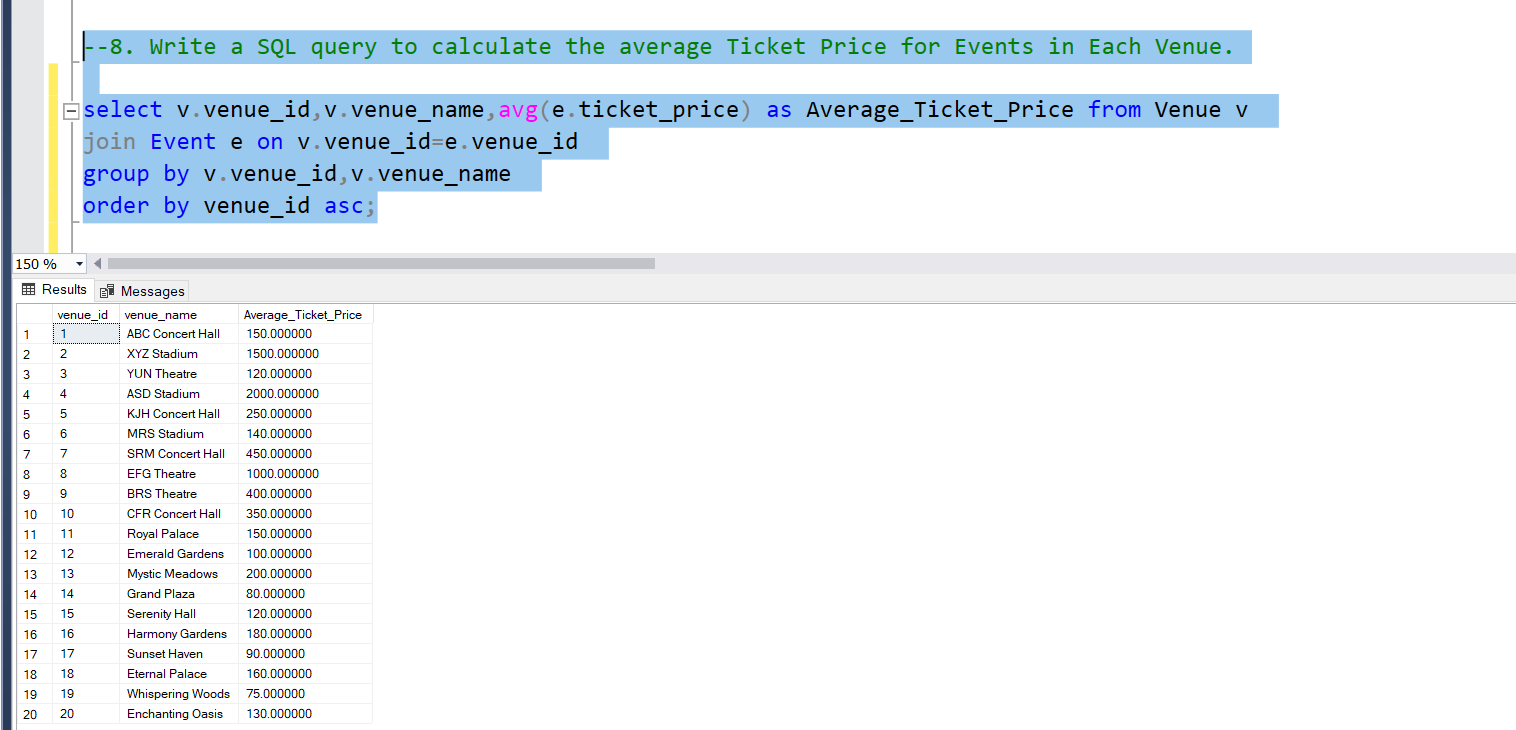
17)Write a SQL query to Calculate the Total Number of Tickets Sold for Each Event.



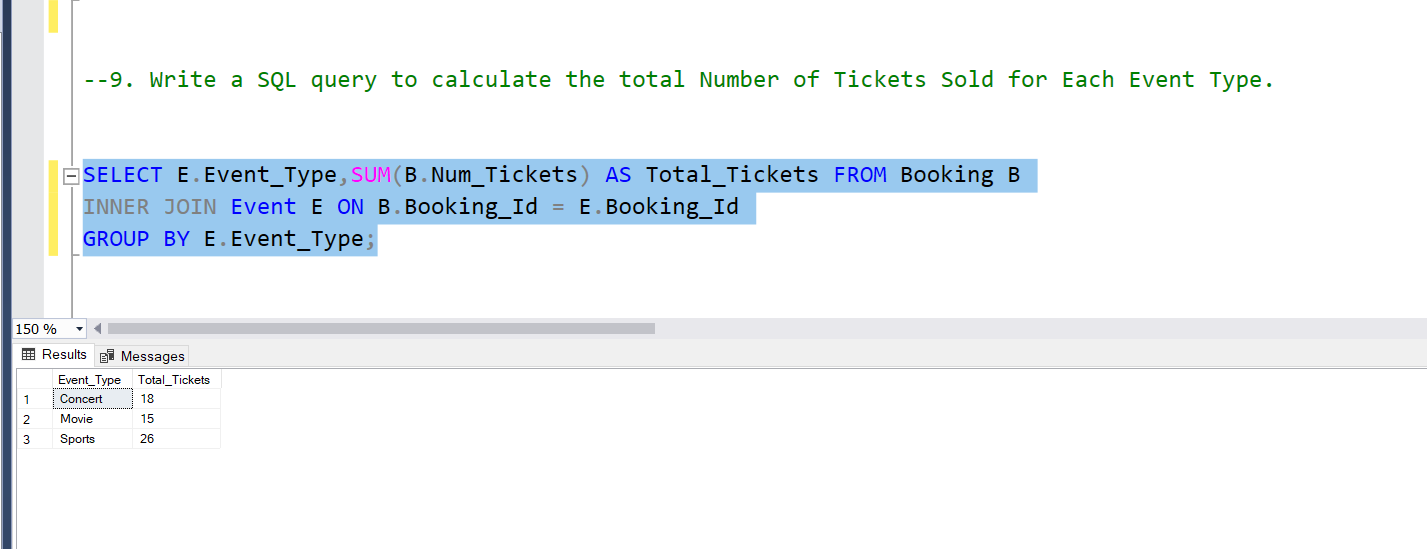
18)Write a SQL query to Find Events with No Ticket Sales.



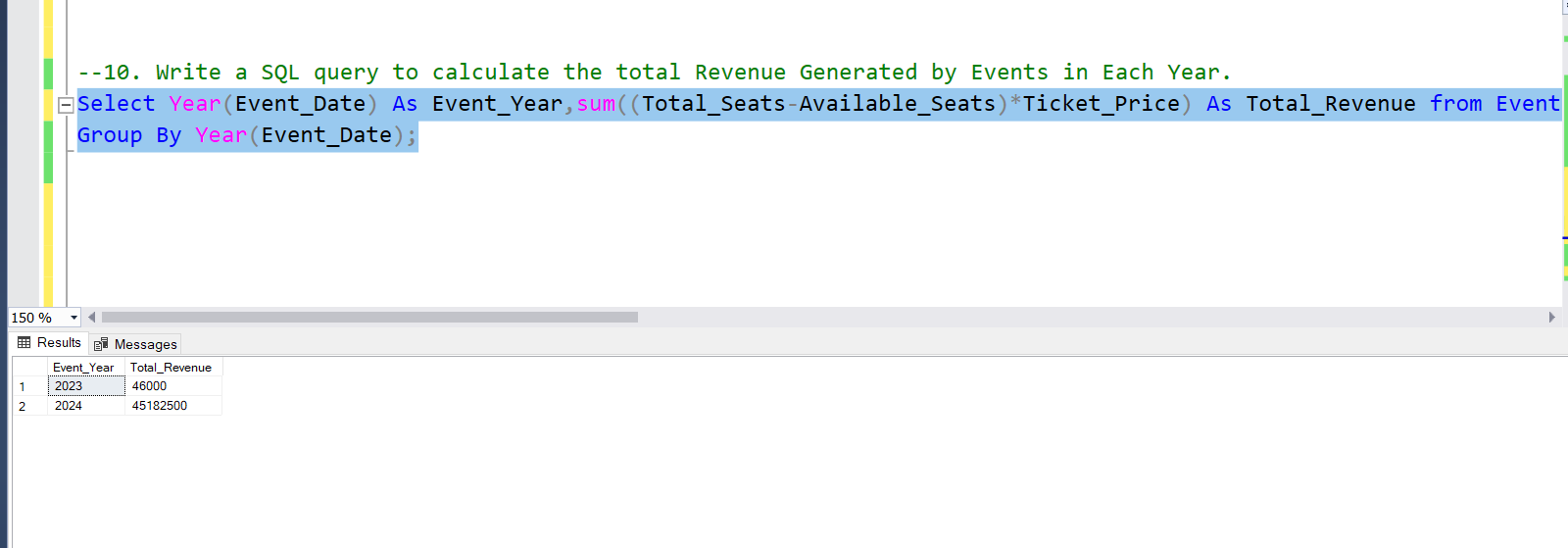
19)Write a SQL query to Find the User Who Has Booked the Most Tickets. 

20)Write a SQL query to calculate the average Ticket Price for Events in Each Venue

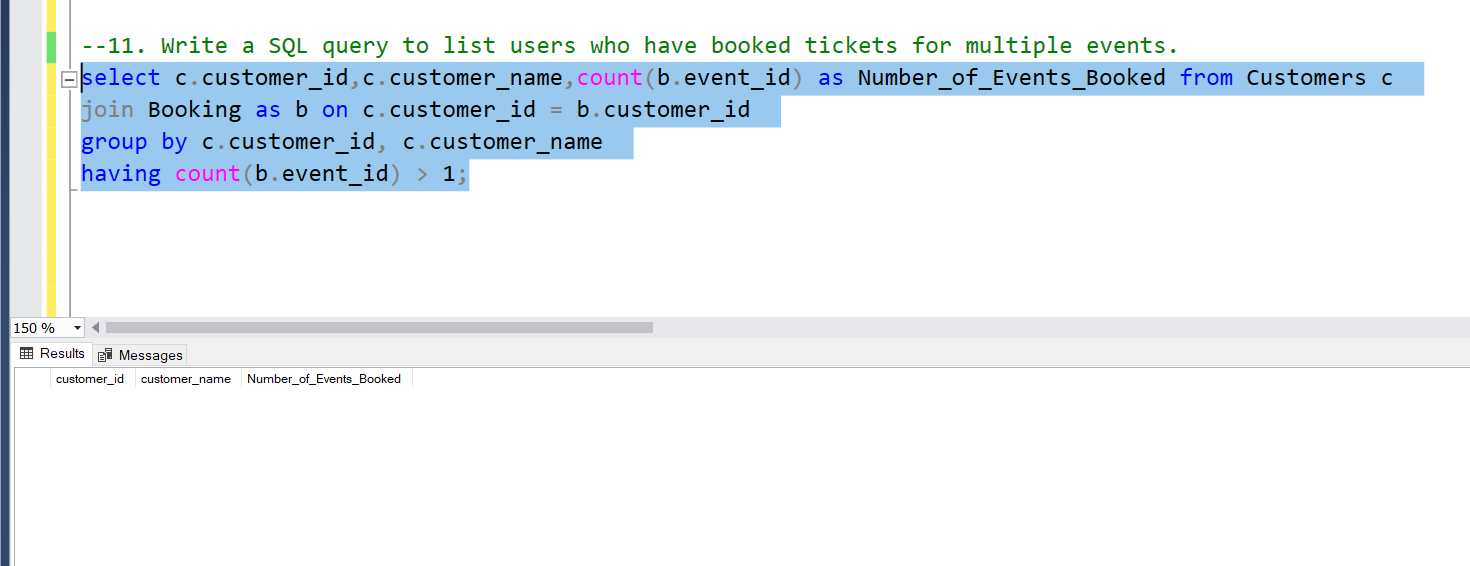
21)Write a SQL query to calculate the total Number of Tickets Sold for Each Event Type.



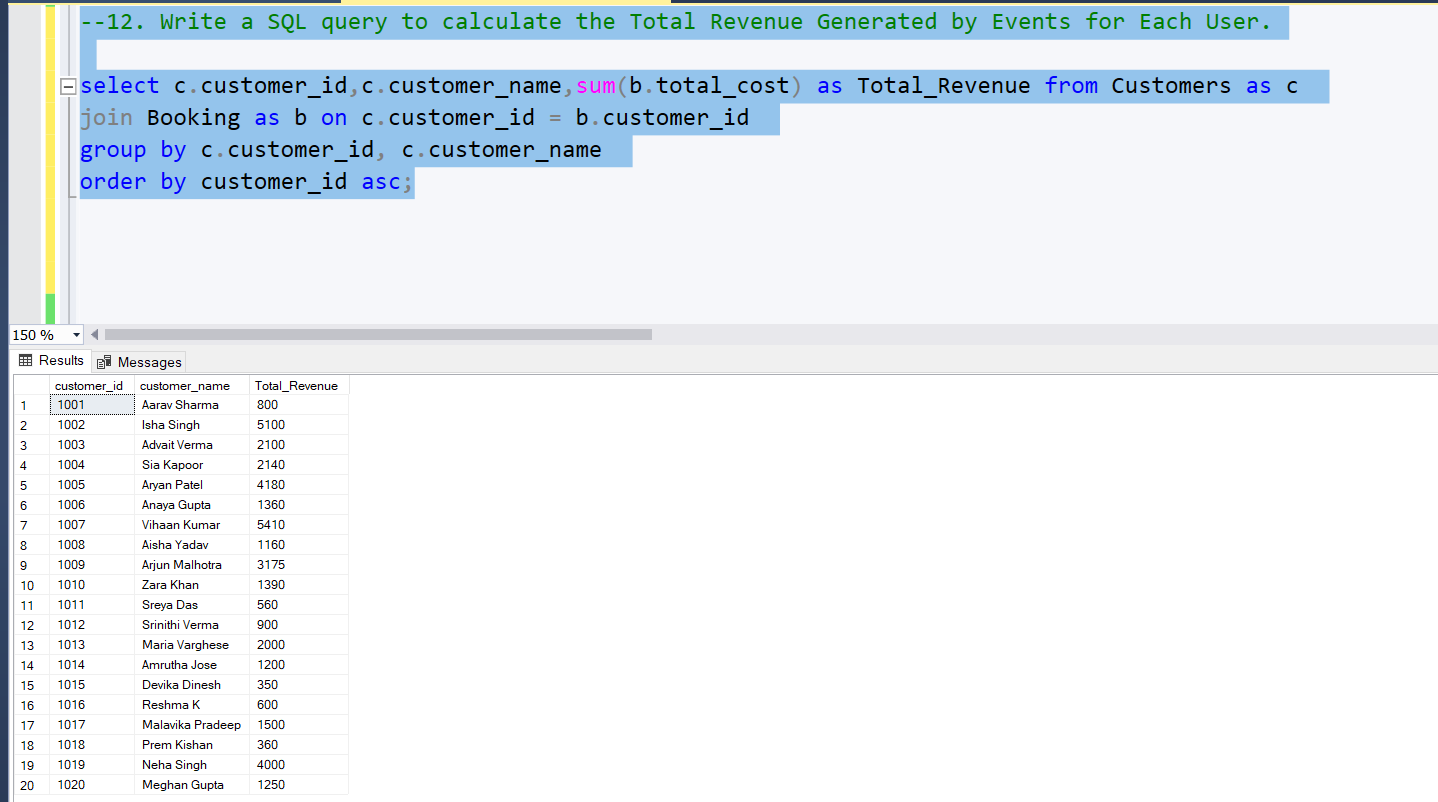
22) Write a SQL query to calculate the total Revenue Generated by Events in Each Year.



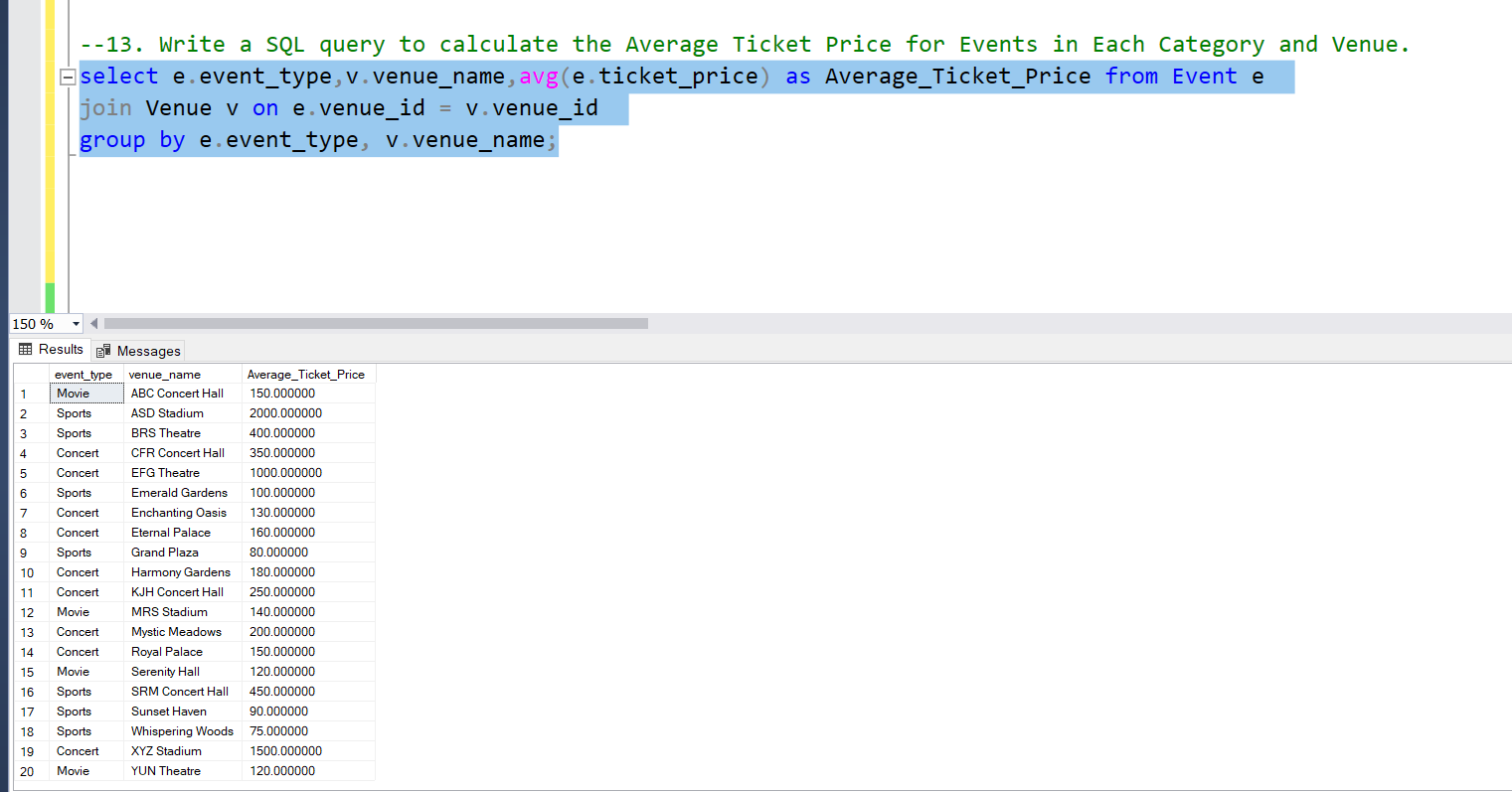
23) Write a SQL query to list users who have booked tickets for multiple events.



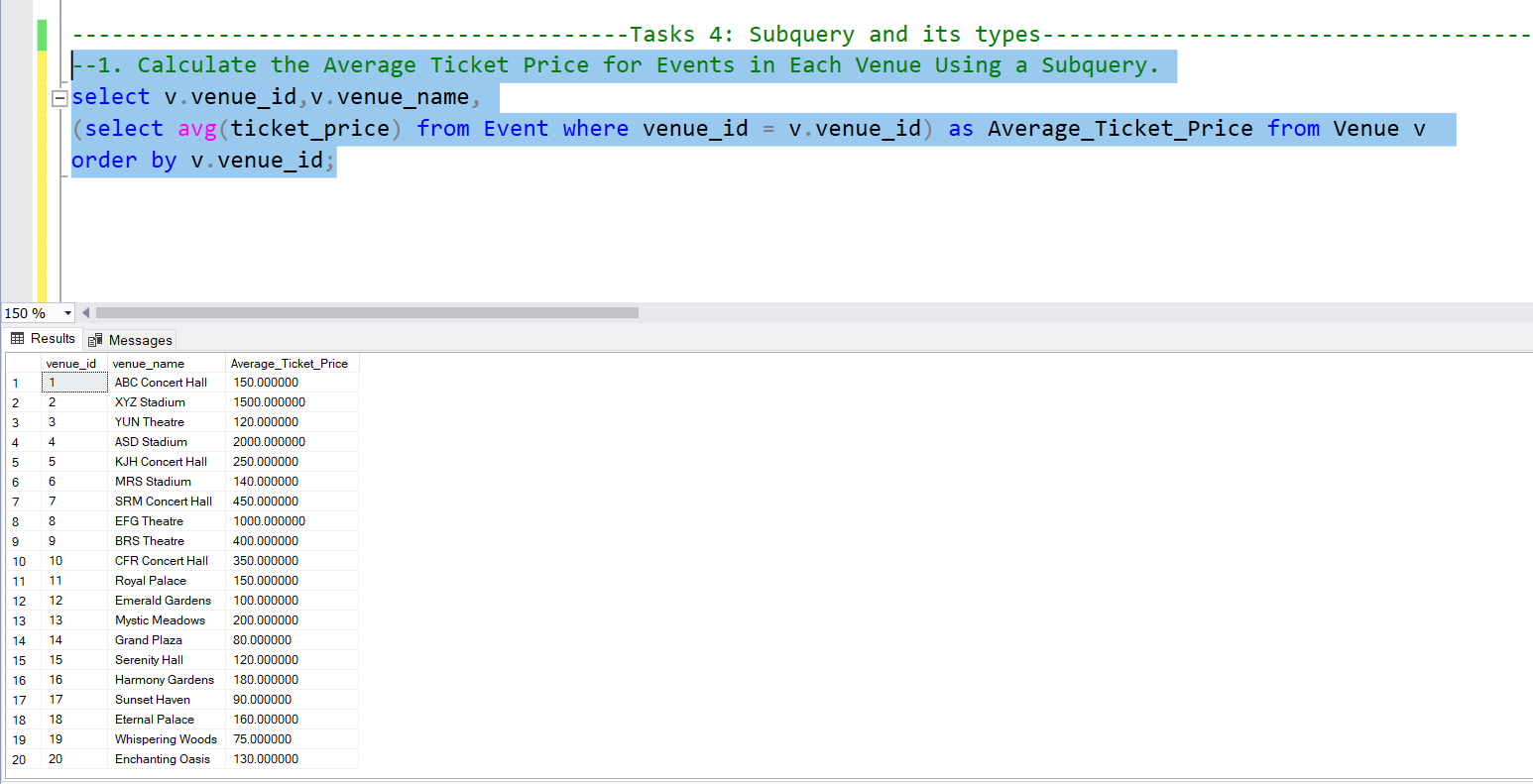
24) Write a SQL query to calculate the Total Revenue Generated by Events for Each User.



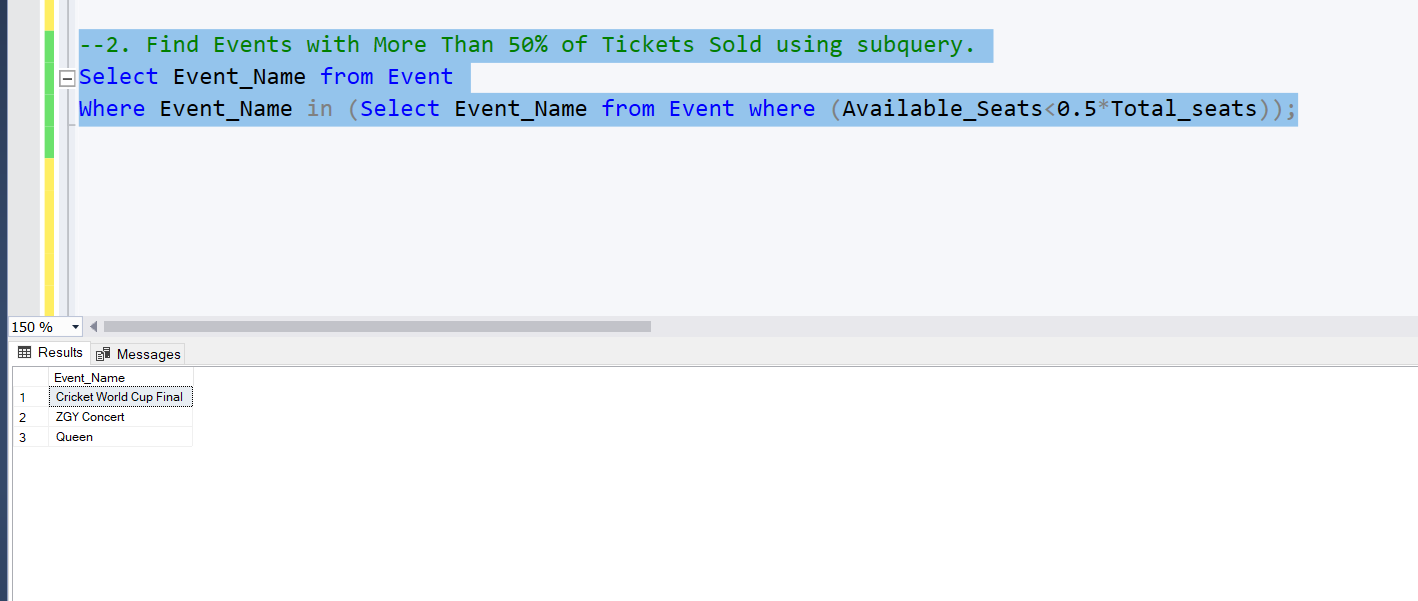
25. Write a SQL query to calculate the Average Ticket Price for Events in Each Category and Venue.



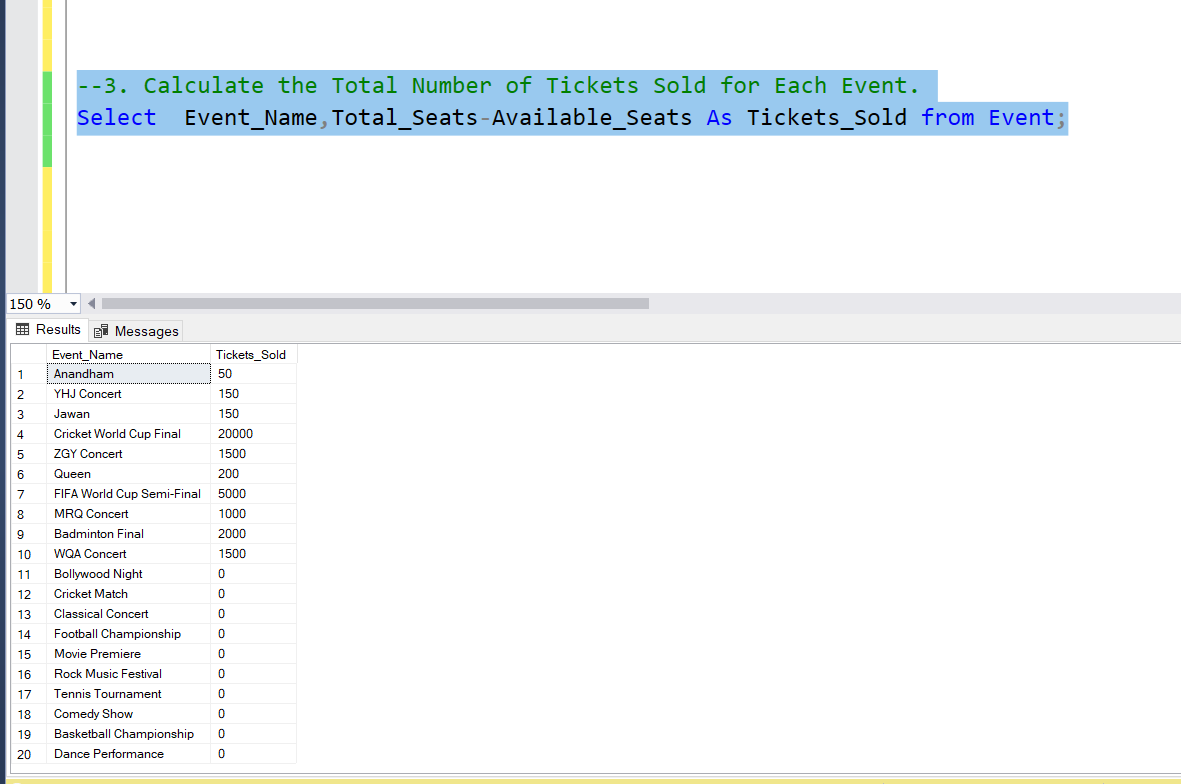
-----------------------------------------TASK 4------------------------------------

26)Calculate the Average Ticket Price for Events in Each Venue Using a Subquery.

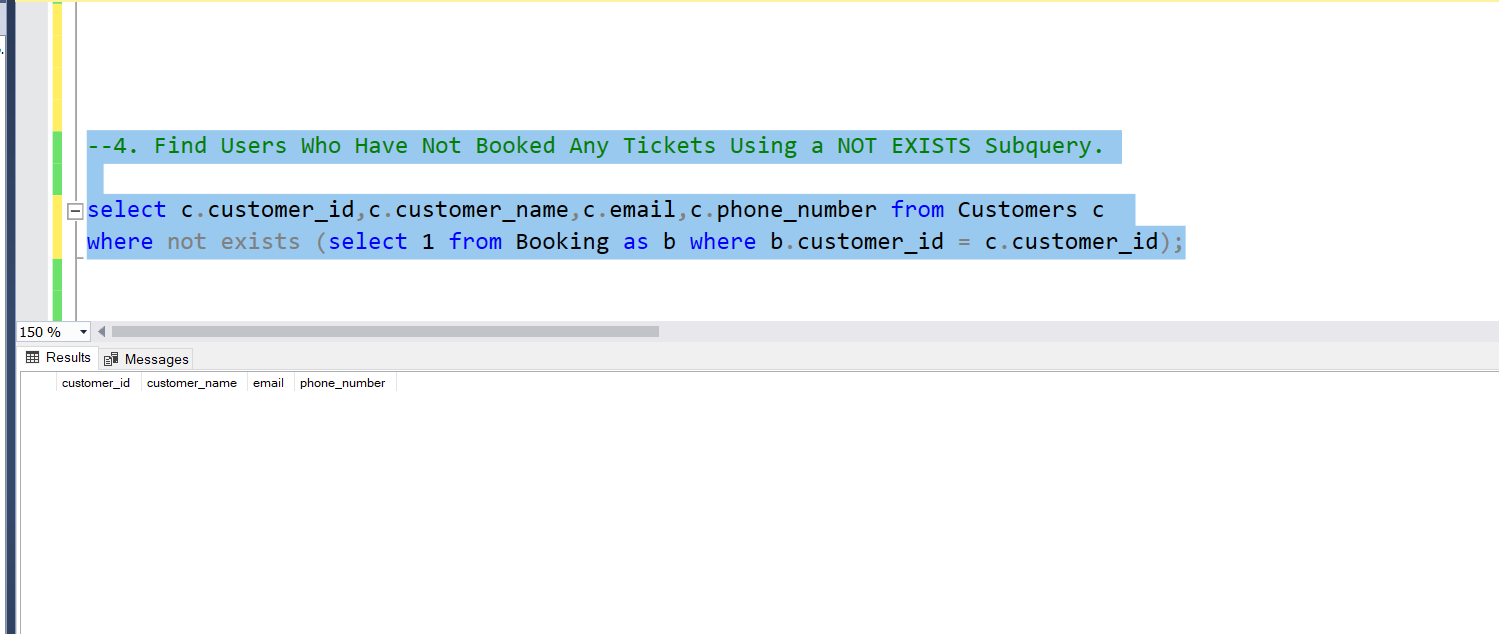
27)Find Events with More Than 50% of Tickets Sold using subquery.



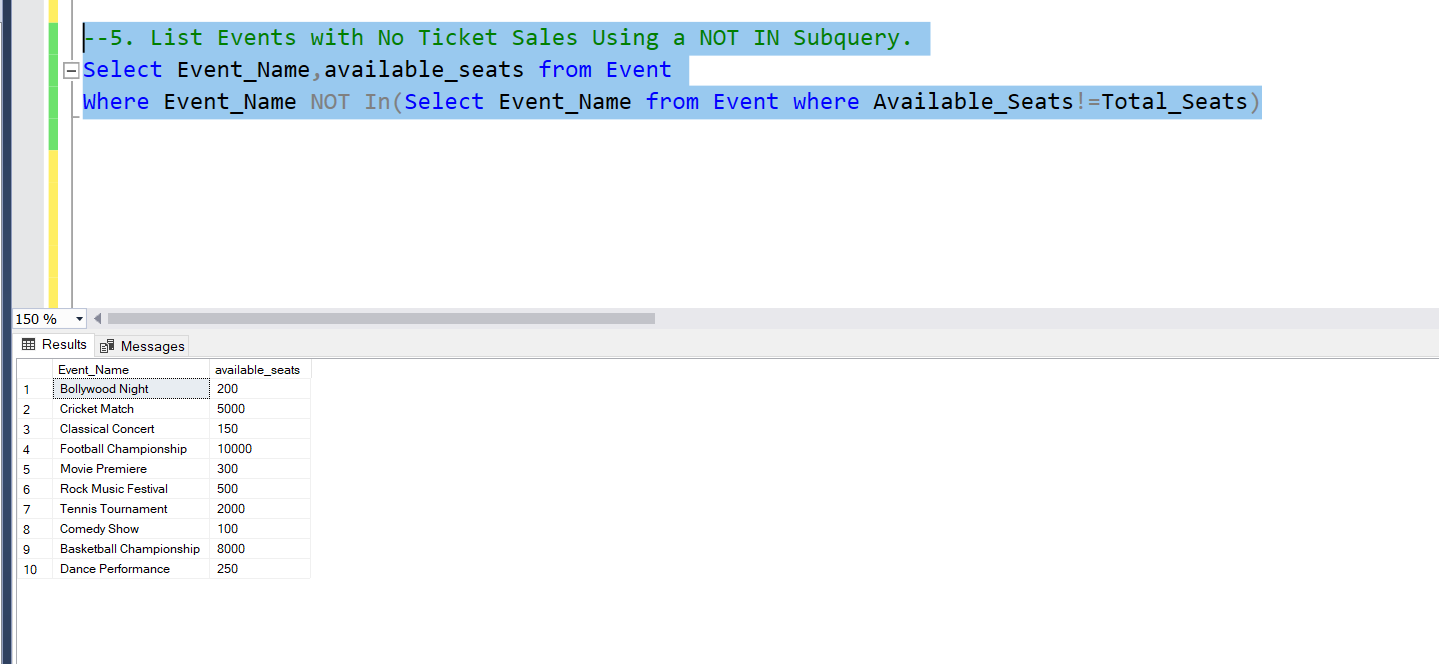
26)Calculate the Total Number of Tickets Sold for Each Event.



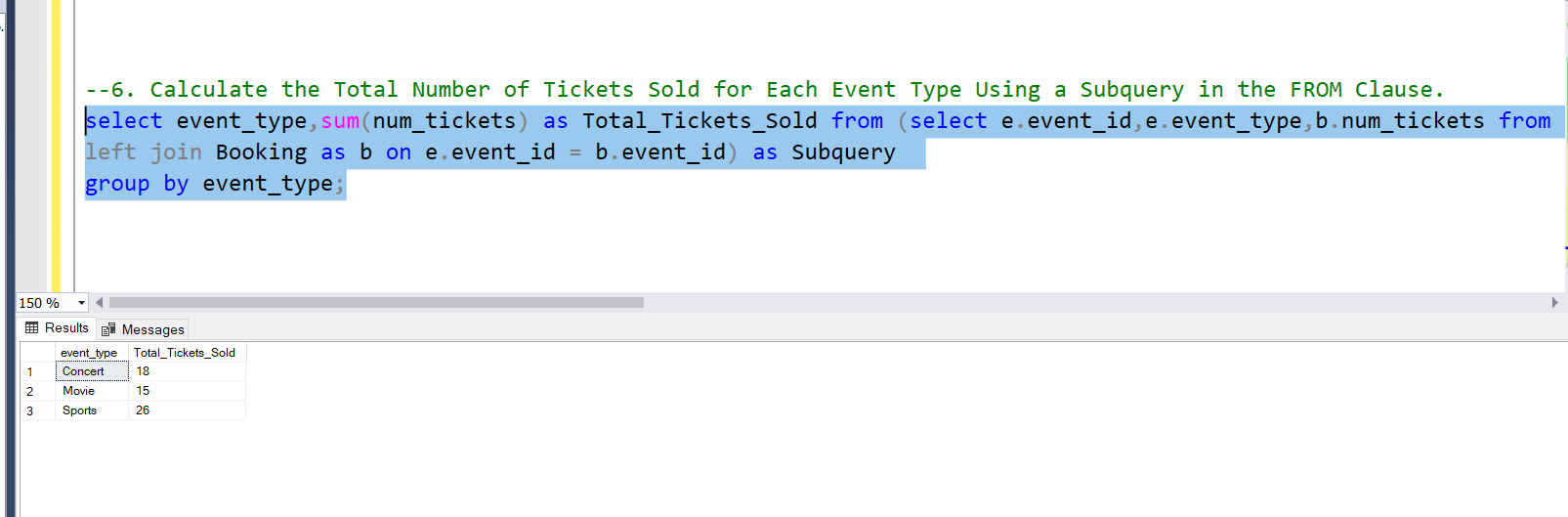
27) . Find Users Who Have Not Booked Any Tickets Using a NOT EXISTS Subquery.

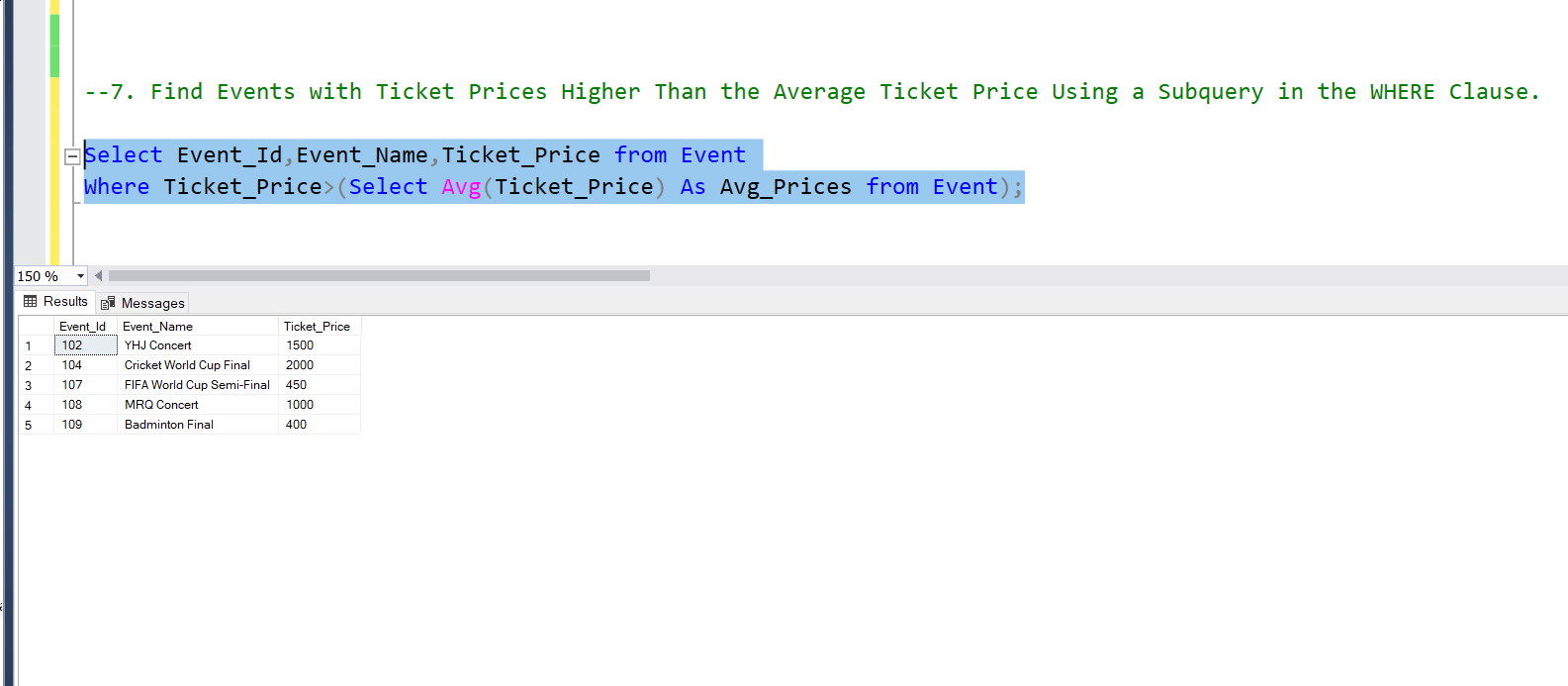


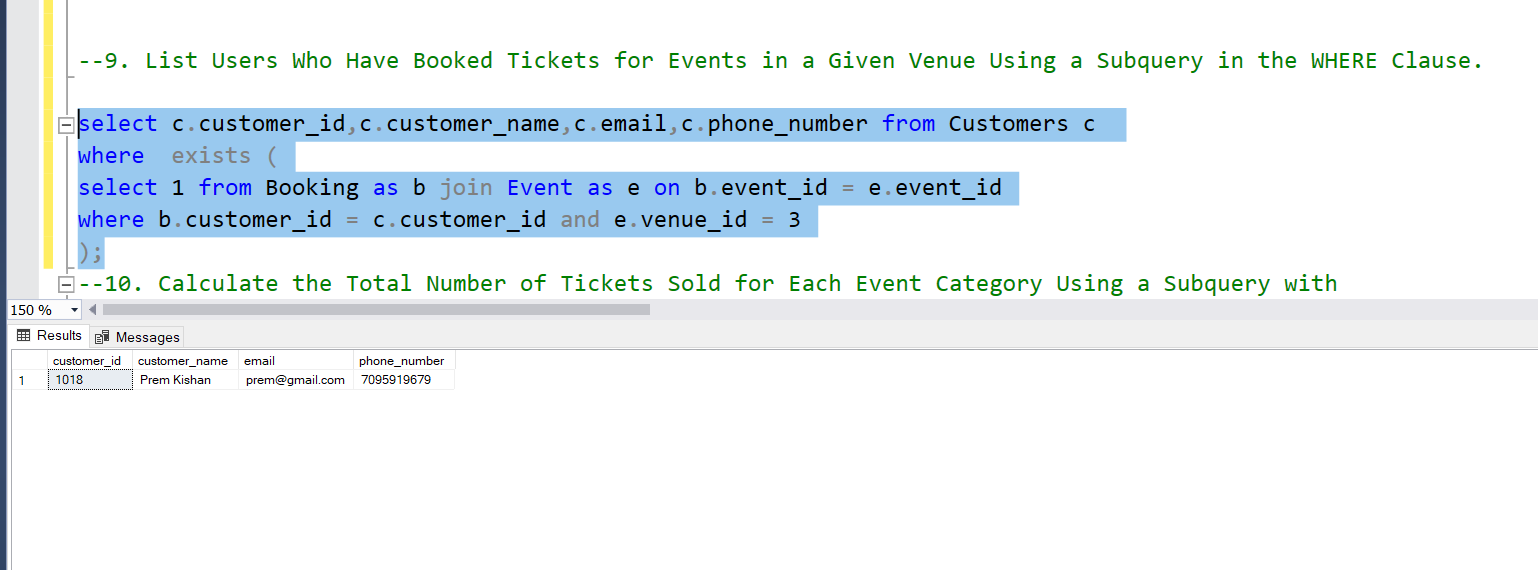
28)List Events with No Ticket Sales Using a NOT IN Subquery.

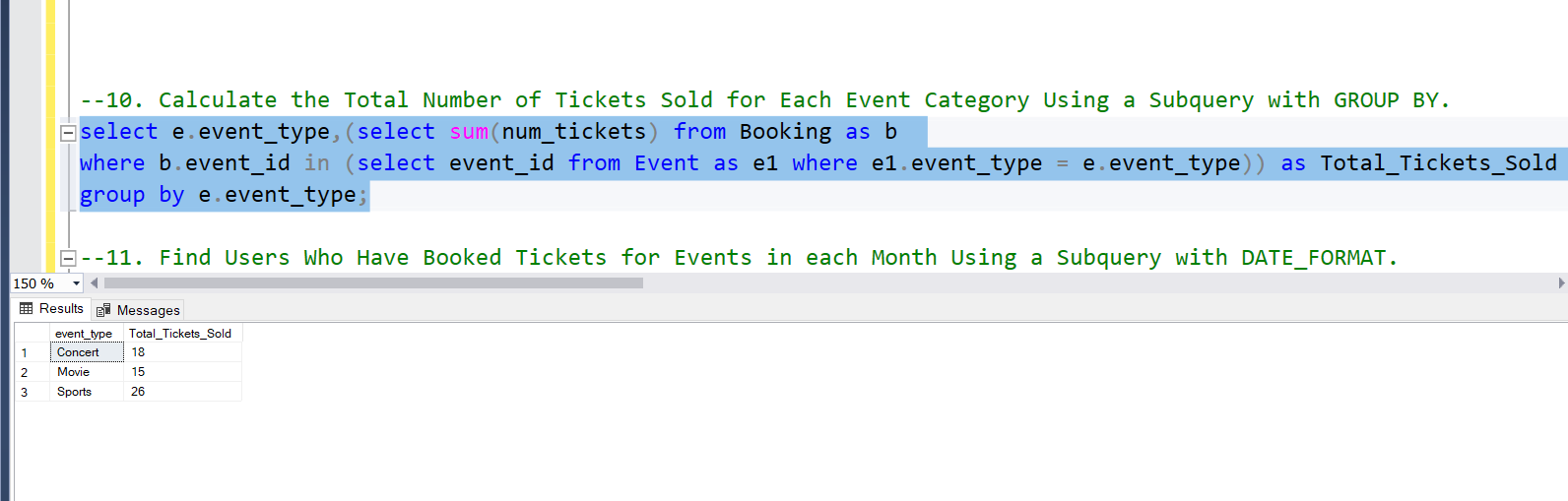


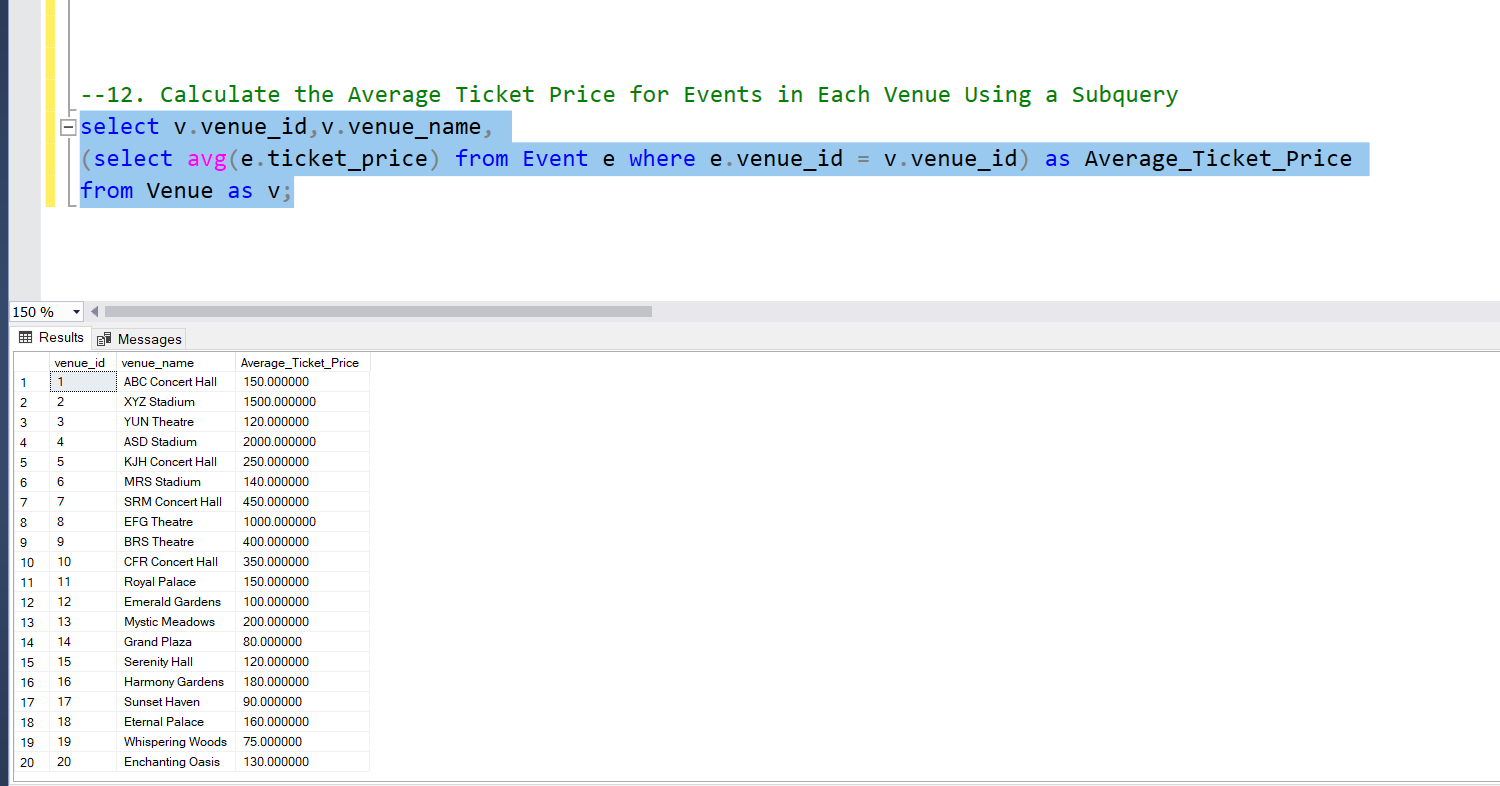
29)Calculate the Total Number of Tickets Sold for Each Event Type Using a Subquery in the FROM Clause.



30) Find Events with Ticket Prices Higher Than the Average Ticket Price Using a Subquery in the WHERE Clause.

31) List Users Who Have Booked Tickets for Events in a Given Venue Using a Subquery in the WHERE Clause.

32. Calculate the Total Number of Tickets Sold for Each Event Category Using a Subquery with GROUP BY.

33. Calculate the Average Ticket Price for Events in Each Venue Using a Subquery