Tasks 1: Database Design:

1. Create the database named "TicketBookingSystem"

CREATE DATABASE TicketBookingSystem;

USE TicketBookingSystem;

- 2. Write SQL scripts to create the mentioned tables with appropriate data types, constraints, and relationships.
- Venue
- Event
- Customers
- Booking

Venue Table:

```
CREATE TABLE Venue (
venue_id INT PRIMARY KEY,
venue_name VARCHAR(255),
address VARCHAR(255)
);
```



Event Table:

```
CREATE TABLE Event (
event_id INT PRIMARY KEY,
event_name VARCHAR(255),
event_date DATE,
event_time TIME,
venue_id INT,
total_seats INT,
available_seats INT,
ticket_price DECIMAL(10, 2),
event_type VARCHAR(50),
booking_id INT
);
```

```
Results Messages

event_id event_name event_date event_time venue_id total_seats available_seats ticket_price event_type booking_id
```

Customer Table:

```
CREATE TABLE Customer (
customer_id INT PRIMARY KEY,
customer_name VARCHAR(255),
email VARCHAR(255),
phone_number VARCHAR(20),
booking_id INT
);
```

```
Results Messages

customer_id customer_name email phone_number booking_id
```

Booking Table:

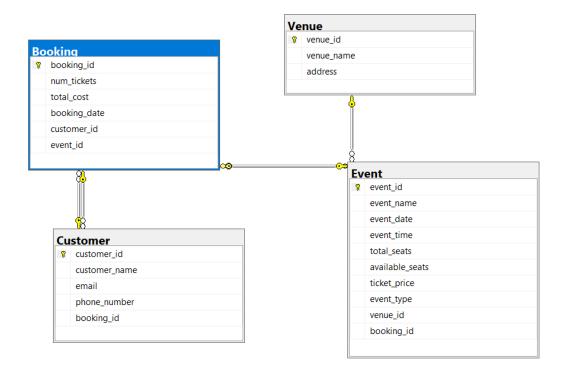
```
CREATE TABLE Booking (
booking_id INT PRIMARY KEY,
customer_id INT,
event_id INT,
```

```
num_tickets INT,
total_cost DECIMAL(10, 2),
booking_date DATE
);

Results Messages

| booking_id | customer_id | event_id | num_tickets | total_cost | booking_date |
```

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



4. Create appropriate Primary Key and Foreign Key constraints for referential integrity.

Alter table Event add venue id INT

Alter table Event add booking_id INT

Alter table Customer add booking_id INT

Alter table booking add customer id INT

Alter table booking add event id INT

ALTER TABLE Event

add constraint FK_venue_id FOREIGN KEY (venue_id) REFERENCES Venue(venue id);

ALTER TABLE Event

add constraint FK_booking_id FOREIGN KEY (booking_id) REFERENCES Booking(booking_id);

ALTER TABLE Customer

add constraint FKey_booking_id FOREIGN KEY (booking_id) REFERENCES Booking(booking_id);

ALTER TABLE booking

add constraint FK_customer_id FOREIGN KEY(customer_id) references Customer(customer id);

ALTER TABLE booking

add constraint FK_event_id FOREIGN KEY(event_id) references Event(event_id);

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

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

INSERT INTO Venue (venue id, venue name, address) VALUES

- (1, 'Delhi', 'Suite 640 1856 Turner Camp, East Harriett, NJ 34953'),
- (2, 'Mumbai', 'F-1/10, Sector 10, Vashi'),
- (3, 'Hyderabad', '5-1-459/7, Jam Bagh'),
- (4, 'Bangalore', '92, 2nd Flr Mosque Road, Frazer Town'),
- (5, 'Ahmedabad', 'Opp Spss Hall Nr Aditya Complex, Navrangpura'),
- (6, 'Vadodara', '30, Narendra Park Society, Near'),
- (7, 'Pune', 'Opp Green Roadways,near Hotel, Orient, Kasba Peth'),
- (8, 'Madurai', 'D/g 29-30-31, Sardar Patel Cp, Station Road, Gidc, Ankleshwar'),
- (9, 'Trichy', 'ABC Street, Navinagar'),
- (10, 'Chennai', '12/13 agenda complex, AnnaNagar');

⊞ F	Results 📳	Messages	
	venue_id	venue_name	address
1	1	Delhi	Suite 640 1856 Turner Camp, East Harriett, NJ 349
2	2	Mumbai	F-1/10, Sector 10, Vashi
3	3	Hyderabad	5-1-459/7, Jam Bagh
4	4	Bangalore	92, 2nd Flr Mosque Road, Frazer Town
5	5	Ahmedabad	Opp Spss Hall Nr Aditya Complex, Navrangpura
6	6	Vadodara	30, Narendra Park Society, Near
7	7	Pune	Opp Green Roadways,near Hotel, Orient, Kasba Peth
8	8	Madurai	D/g 29-30-31, Sardar Patel Cp, Station Road, Gidc,
9	9	Trichy	ABC Street, Navinagar
10	10	Chennai	12/13 agenda complex,AnnaNagar

INSERT INTO Event (event_id, event_name, event_date, event_time, total_seats, available_seats, ticket_price, event_type, venue_id,booking_id)
VALUES

- (1, 'Fictional', '2023-01-01', '12:00:00', 100, 50, 250.00, 'Movie', 1, 1),
- (2, 'Kabbadi Cup', '2023-02-02', '15:30:00', 1500, 500, 380.00, 'Sports', 2, 2),
- (3, 'Dance Concert', '2023-02-03', '15:00:00', 155, 100, 2000.00, 'Concert', 3,3),
- (4, 'Horror', '2023-02-04', '11:30:00', 150, 100, 300.00, 'Movie', 4, 4),
- (5, 'singing', '2023-02-05', '12:30:00', 150, 100, 2000.00, 'Concert', 5, 5),
- (6, 'Volleyball', '2023-02-06', '13:30:00', 150, 100, 300.00, 'Sports', 6, 6),
- (7, 'Comics', '2023-02-07', '14:30:00', 150, 100, 200.00, 'Movie', 7, 7),
- (8, 'Music', '2023-02-08', '15:30:00', 1000, 600, 3000.00, 'Concert', 8, 8),
- (9, 'Thriller', '2023-02-09', '16:30:00', 350, 250, 200.00, 'Movie', 9, 9),
- (10, 'Football', '2023-02-10', '17:30:00', 150, 100, 350.00, 'Sports', 10, 10);

	event_id	event_name	event_date	event_time	total_seats	available_seats	ticket_price	event_type	venue_id	booking_id
1	1	Fictional	2023-01-01	12:00:00.0000000	100	50	250.00	Movie	1	1
2	2	Kabbadi Cup	2023-02-02	15:30:00.0000000	1500	500	380.00	Sports	2	2
3	3	Dance Concert	2023-02-03	15:00:00.0000000	155	100	2000.00	Concert	3	3
4	4	Horror	2023-02-04	11:30:00.0000000	150	100	300.00	Movie	4	4
5	5	singing	2023-02-05	12:30:00.0000000	150	100	2000.00	Concert	5	5
6	6	Volleyball	2023-02-06	13:30:00.0000000	150	100	300.00	Sports	6	6
7	7	Comics	2023-02-07	14:30:00.0000000	150	100	200.00	Movie	7	7
8	8	Music	2023-02-08	15:30:00.0000000	1000	600	3000.00	Concert	8	8
9	9	Thriller	2023-02-09	16:30:00.0000000	350	250	200.00	Movie	9	9
10	10	Football	2023-02-10	17:30:00.0000000	150	100	350.00	Sports	10	10

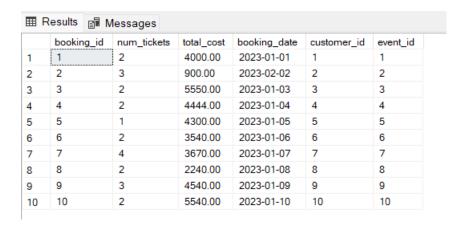
INSERT INTO Customer (customer_id, customer_name, email, phone_number, booking id) VALUES

- (1, 'John', 'john@example.com', '123-456-7890',1),
- (2, 'Jane', 'jane@example.com', '987-654-3210',2),
- (3, 'Bob', 'bob@example.com', '423-456-7890',3),
- (4, 'Alice', 'alice@example.com', '523-456-7890',4),
- (5, 'Charlie', 'charlie@example.com', '623-456-7890',5),
- (6, 'Eva', 'eva@example.com', '723-456-7890',6),
- (7, 'Frank', 'frank@example.com', '823-456-7000',7),
- (8, 'Grace', 'grace@example.com', '923-456-7000',8),
- (9, 'Henry', 'henry@example.com', '223-456-7000',9),
- (10, 'Ivy', 'ivy.@example.com', '323-456-7890',10);

	customer_id	customer_name	email	phone_number	booking_id
1	1	John	john@example.com	123-456-7890	1
2	2	Jane	jane@example.com	987-654-3210	2
3	3	Bob	bob@example.com	423-456-7890	3
4	4	Alice	alice@example.com	523-456-7890	4
5	5	Charlie	charlie@example.com	623-456-7890	5
6	6	Eva	eva@example.com	723-456-7890	6
7	7	Frank	frank@example.com	823-456-7000	7
8	8	Grace	grace@example.com	923-456-7000	8
9	9	Henry	henry@example.com	223-456-7000	9
10	10	lvy	ivy.@example.com	323-456-7890	10

INSERT INTO Booking (booking_id, num_tickets, total_cost, booking_date, customer id, event id) VALUES

- $(1, 2, 4000.00, '2023-01-01\ 10:00:00', 1, 1),$
- (2, 3, 900.00, '2023-02-02 12:30:00', 2, 2),
- (3, 2, 5550.00, '2023-01-03 09:00:00', 3, 3),
- (4, 2, 4444.00, '2023-01-04 09:00:00', 4, 4),
- (5, 1, 4300.00, '2023-01-05 10:00:00', 5, 5),
- (6, 2, 3540.00, '2023-01-06 11:00:00', 6, 6),
- (7, 4, 3670.00, '2023-01-07 11:00:00', 7, 7),
- (8, 2, 2240.00, '2023-01-08 10:00:00', 8, 8),
- (9, 3, 4540.00, '2023-01-09 09:00:00',9,9),
- $(10, 2, 5540.00, '2023-01-10\ 10:00:00', 10, 10);$



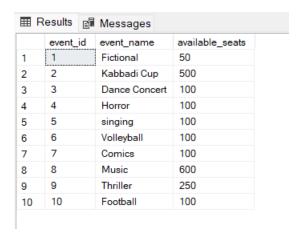
2. Write a SQL query to list all Events.

SELECT * FROM Event;

⊞F	Results 📳	Messages								
	event_id	event_name	event_date	event_time	total_seats	available_seats	ticket_price	event_type	venue_id	booking_id
1	1	Fictional	2023-01-01	12:00:00.0000000	100	50	250.00	Movie	1	1
2	2	Kabbadi Cup	2023-02-02	15:30:00.0000000	1500	500	380.00	Sports	2	2
3	3	Dance Concert	2023-02-03	15:00:00.0000000	155	100	2000.00	Concert	3	3
4	4	Horror	2023-02-04	11:30:00.0000000	150	100	300.00	Movie	4	4
5	5	singing	2023-02-05	12:30:00.0000000	150	100	2000.00	Concert	5	5
6	6	Volleyball	2023-02-06	13:30:00.0000000	150	100	300.00	Sports	6	6
7	7	Comics	2023-02-07	14:30:00.0000000	150	100	200.00	Movie	7	7
8	8	Music	2023-02-08	15:30:00.0000000	1000	600	3000.00	Concert	8	8
9	9	Thriller	2023-02-09	16:30:00.0000000	350	250	200.00	Movie	9	9
10	10	Football	2023-02-10	17:30:00.0000000	150	100	350.00	Sports	10	10

3. Write a SQL query to select events with available tickets.

SELECT event_id,event_name,available_seats FROM Event;



4. Write a SQL query to select events name partial match with 'cup'.

SELECT * FROM Event

WHERE event name LIKE '%cup%';



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

SELECT * FROM Event

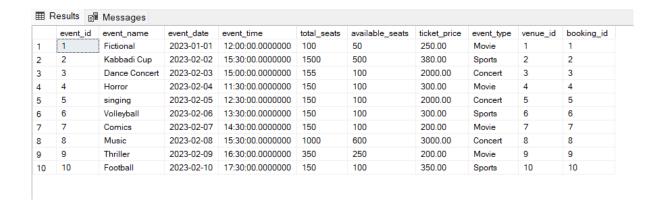
WHERE ticket price BETWEEN 1000 AND 2500;

■R	esults 📳	Messages								
	event_id	event_name	event_date	event_time	total_seats	available_seats	ticket_price	event_type	venue_id	booking_id
1	3	Dance Concert	2023-02-03	15:00:00.0000000	155	100	2000.00	Concert	3	3
2	5	singing	2023-02-05	12:30:00.0000000	150	100	2000.00	Concert	5	5

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

SELECT * FROM Event

WHERE event_date BETWEEN '2023-01-01' AND '2023-12-31';



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

SELECT * FROM Event

WHERE available seats > 0 AND event name LIKE '%Concert%';



8. Write a SQL query to retrieve users in batches of 5, starting from the 6th user.

SELECT customer_id, customer_name, email, phone_number FROM Customer
ORDER BY customer_id
OFFSET 5 ROWS
FETCH NEXT 5 ROWS ONLY;



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

SELECT * FROM Booking

WHERE num tickets > =4;

Results	₽ N	lessages				
bookin			total_cost	booking_date	customer_id	event_id
1 7		4	3670.00	2023-01-07	7	7

10. Write a SQL query to retrieve customer information whose phone number end with '000'

SELECT * FROM Customer

WHERE phone number LIKE '%000';

⊞R	Results 📑 Me	essages			
	customer_id	customer_name	email	phone_number	booking_id
1	7	Frank	frank@example.com	823-456-7000	7
2	8	Grace	grace@example.com	923-456-7000	8
3	9	Henry	henry@example.com	223-456-7000	9

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

SELECT * FROM Event

WHERE total seats > 150

ORDER BY total seats;

	event_id	event_name	event_date	event_time	total_seats	available_seats	ticket_price	event_type	venue_id	booking_id
1	3	Dance Concert	2023-02-03	15:00:00.0000000	155	100	2000.00	Concert	3	3
2	9	Thriller	2023-02-09	16:30:00.0000000	350	250	200.00	Movie	9	9
3	8	Music	2023-02-08	15:30:00.0000000	1000	600	3000.00	Concert	8	8
4	2	Kabbadi Cup	2023-02-02	15:30:00.0000000	1500	500	380.00	Sports	2	2

12. Write a SQL query to select events name not start with 'x', 'y', 'z'

SELECT * FROM Event

WHERE event_name NOT LIKE 'x%' AND event_name NOT LIKE 'y%' AND event_name NOT LIKE 'v%';

	event_id	event_name	event_date	event_time	total_seats	available_seats	ticket_price	event_type	venue_id	booking_id
1	1	Fictional	2023-01-01	12:00:00.0000000	100	50	250.00	Movie	1	1
2	2	Kabbadi Cup	2023-02-02	15:30:00.0000000	1500	500	380.00	Sports	2	2
3	3	Dance Concert	2023-02-03	15:00:00.0000000	155	100	2000.00	Concert	3	3
4	4	Horror	2023-02-04	11:30:00.0000000	150	100	300.00	Movie	4	4
5	5	singing	2023-02-05	12:30:00.0000000	150	100	2000.00	Concert	5	5
6	7	Comics	2023-02-07	14:30:00.0000000	150	100	200.00	Movie	7	7
7	8	Music	2023-02-08	15:30:00.0000000	1000	600	3000.00	Concert	8	8
8	9	Thriller	2023-02-09	16:30:00.0000000	350	250	200.00	Movie	9	9
9	10	Football	2023-02-10	17:30:00.0000000	150	100	350.00	Sports	10	10

TASK 3: Aggregate functions, Group By and Joins:

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

SELECT e.event_id, e.event_name, AVG(e.ticket_price) AS average_ticket_price
FROM Event e
GROUP BY e.event id, e.event name;



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

SELECT SUM(B.total_cost) AS total_revenue FROM Booking B;



3. Write a SQL query to find the event with the highest ticket sales.

SELECT TOP 1 E.event_id, E.event_name, SUM(B.num_tickets) AS total_tickets_sold

FROM Event E

JOIN Booking B ON E. event id = B. event id

GROUP BY E.event_id, E.event_name

ORDER BY total_tickets_sold DESC;



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

SELECT E.event_id, E.event_name, SUM(B.num_tickets) AS total_tickets_sold FROM Event E

JOIN Booking B ON E.event_id = B.event_id

GROUP BY E.event id, E.event name;



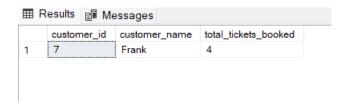
5. Write a SQL query to Find Events with No Ticket Sales.

SELECT e.event_id, e.event_name
FROM Event e
LEFT JOIN Booking b ON e.event_id = b.event_id
WHERE b.event_id IS NULL;



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

SELECT TOP 1 c.customer_id, c.customer_name, SUM(b.num_tickets) AS total_tickets_booked FROM Customer c
JOIN Booking b ON c.booking_id = b.booking_id
GROUP BY c.customer_id, c.customer_name
ORDER BY total tickets booked DESC;



7. Write a SQL query to List Events and the total number of tickets sold for each month.

SELECT E.event_id,E.event_name,MONTH(B.booking_date) AS booking_month,SUM(B.num_tickets) AS total_tickets_sold FROM Event E JOIN Booking B ON E.event_id = B.event_id GROUP BY E.event_id, E.event_name, MONTH(booking_date) ORDER BY booking month, E.event id;

	august id	avent name	backing month	total tickets cold
	event_id	event_name	booking_month	total_tickets_sold
1	1	Fictional	1	2
2	3	Dance Concert	1	2
3	4	Horror	1	2
4	5	singing	1	1
5	6	Volleyball	1	2
6	7	Comics	1	4
7	8	Music	1	2
8	9	Thriller	1	3
9	10	Football	1	2
10	2	Kabbadi Cup	2	3

8. Write a SQL query to calculate the average Ticket Price for Events in Each Venue

SELECT V.venue_id, V.venue_name, AVG(E.ticket_price) AS average_ticket_price FROM Venue V

JOIN Event E ON V.venue_id = E.venue_id

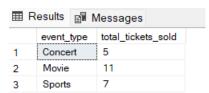
GROUP BY V.venue id, V.venue name;

⊞ F	Results 📳	Messages	
	venue_id	venue_name	average_ticket_price
1	1	Delhi	250.000000
2	2	Mumbai	380.000000
3	3	Hyderabad	2000.000000
4	4	Bangalore	300.000000
5	5	Ahmedabad	2000.000000
6	6	Vadodara	300.000000
7	7	Pune	200.000000
8	8	Madurai	3000.000000
9	9	Trichy	200.000000
10	10	Chennai	350.000000

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

SELECT e.event_type, SUM(b.num_tickets) AS total_tickets_sold FROM Event e

JOIN Booking b ON e.event_id = b.event_id GROUP BY e.event_type;



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

SELECT YEAR(B.booking_date) AS booking_year, SUM(B.total_cost) AS total_revenue FROM Booking B GROUP BY YEAR(B.booking_date) ORDER BY booking year;



11. List users who have booked tickets for multiple events:

SELECT c.customer_id, c.customer_name, COUNT(b.event_id) AS num_events_booked FROM Customer c

JOIN Booking b ON c.booking_id = b.booking_id

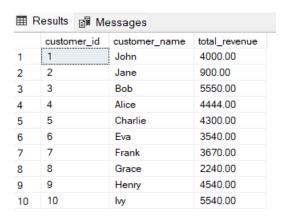
GROUP BY c.customer_id, c.customer_name

HAVING COUNT(b.event_id) > 1;



12. Calculate the Total Revenue Generated by Events for Each User:

select c.customer_id,c.customer_name, SUM(b.total_cost) as total_revenue from Customer c join Booking b on c.customer_id = b.customer_id group by c.customer id, c.customer name;



13. Calculate the Average Ticket Price for Events in Each Category and Venue:

SELECT e.event_type, v.venue_name, AVG(e.ticket_price) AS average_ticket_price
FROM Event e

JOIN Venue v ON e.venue_id = v.venue_id
GROUP BY e.event type, v.venue name;

⊞ F	Results 📳 N	Messages		
	event_type	venue_name	average_ticket_price	
1	Concert	Ahmedabad	2000.000000	
2	Movie	Bangalore	300.000000	
3	Sports	Chennai	350.000000	
4	Movie	Delhi	250.000000	
5	Concert	Hyderabad	2000.000000	
6	Concert	Madurai	3000.000000	
7	Sports	Mumbai	380.000000	
8	Movie	Pune	200.000000	
9	Movie	Trichy	200.000000	
10	Sports	Vadodara	300.000000	

14. List Users and the Total Number of Tickets They've Purchased in the Last 30 Days:

SELECT c.customer_id, c.customer_name, COUNT(b.booking_id) AS total_tickets_purchased FROM Customer c

JOIN Booking b ON c.booking_id = b.booking_id

WHERE b.booking_date >= DATEADD(DAY,-30,GETDATE())

GROUP BY c.customer id, c.customer name;



TASK 4 – Subquery and its Types

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

SELECT v.venue_id, v.venue_name, (SELECT AVG(e.ticket_price) FROM Event e WHERE e.venue_id = v.venue_id) AS average_ticket_price FROM Venue v;

⊞ F	⊞ Results Messages			
	venue_id	venue_name	average_ticket_price	
1	1	Delhi	250.000000	
2	2	Mumbai	380.000000	
3	3	Hyderabad	2000.000000	
4	4	Bangalore	300.000000	
5	5	Ahmedabad	2000.000000	
6	6	Vadodara	300.000000	
7	7	Pune	200.000000	
8	8	Madurai	3000.000000	
9	9	Trichy	200.000000	
10	10	Chennai	350.000000	

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

SELECT

e.event_id,e.event_name,e.total_seats,available_seats,ticket_price,event_type FROM Event e

WHERE (SELECT SUM(num_tickets) FROM Booking b WHERE b.event_id = e.event_id) > 0.5 * e.total_seats;



3. Calculate the Total Number of Tickets Sold for Each Event.

SELECT e.event_id, e.event_name,

(SELECT SUM(b.num_tickets) FROM Booking b WHERE b.event_id = e.event_id) AS total_tickets_sold FROM Event e;

	event_id	event_name	total_tickets_sold
1	1	Fictional	2
2	2	Kabbadi Cup	3
3	3	Dance Concert	2
4	4	Horror	2
5	5	singing	1
6	6	Volleyball	2
7	7	Comics	4
8	8	Music	2
9	9	Thriller	3
10	10	Football	2

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

SELECT c.customer_id, c.customer_name FROM Customer c

WHERE NOT EXISTS (SELECT 1 FROM Booking b WHERE c.booking_id = b.booking_id);



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

SELECT e.event_id, e.event_name
FROM Event e
WHERE e.event id NOT IN (SELECT DISTINCT event id FROM Booking b);

The Booking of

Results Messages event_id event_name

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

SELECT

```
e.event type,
  SUM(b.num tickets) AS total tickets sold
FROM
  (SELECT
    event id,
    event type
  FROM
    Event) e
JOIN
  Booking b ON e.event id = b.event id
GROUP BY
  e.event type;
event_type
           total_tickets_sold
   Concert
           5
   Movie
           11
2
```

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

SELECT event_id, event_name, ticket_price FROM Event
WHERE ticket_price > (SELECT AVG(ticket_price) FROM Event);



7

Sports

8. Calculate the Total Revenue Generated by Events for Each User Using a Correlated Subquery.

```
c.customer_id,
c.customer_name,

(

SELECT

SUM(b.total_cost)

FROM

Booking b

WHERE

b.customer_id = c.customer_id

) AS total_revenue_generated

FROM

Customer c;
```

⊞ F	⊞ Results ∰ Messages			
	customer_id	customer_name	total_revenue	
1	1	John	4000.00	
2	2	Jane	900.00	
3	3	Bob	5550.00	
4	4	Alice	4444.00	
5	5	Charlie	4300.00	
6	6	Eva	3540.00	
7	7	Frank	3670.00	
8	8	Grace	2240.00	
9	9	Henry	4540.00	
10	10	lvy	5540.00	

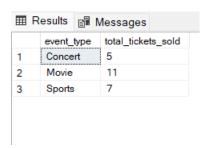
9. List Users Who Have Booked Tickets for Events in a Given Venue Using a Subquery in the WHERE Clause.

SELECT customer_id, customer_name
FROM Customer
WHERE customer_id IN (SELECT DISTINCT customer_id FROM Booking
WHERE event id IN (SELECT event id FROM Event WHERE venue id = 1));



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

SELECT event_type, SUM(total_tickets_sold) AS total_tickets_sold
FROM (
 SELECT event_id, event_type,
 (SELECT SUM(num_tickets) FROM Booking WHERE
Booking.event_id = Event.event_id) AS total_tickets_sold
 FROM Event
) AS Subquery
GROUP BY event_type;



11. Find Users Who Have Booked Tickets for Events in a Given Month Using a Subquery with DATE_FORMAT.

```
SELECT
c.customer_id,
c.customer_name,
FORMAT(booking_date, 'MM-yyyy') AS booking_month
```

FROM

Customer c

JOIN

Booking b ON c.customer_id = b.customer_id GROUP BY

c.customer_id, c.customer_name, FORMAT(booking_date, 'MM-yyyy');

≣ F	⊞ Results 🏻 Messages			
	customer_id	customer_name	booking_month	
1	1	John	01-2023	
2	2	Jane	02-2023	
3	3	Bob	01-2023	
4	4	Alice	01-2023	
5	5	Charlie	01-2023	
6	6	Eva	01-2023	
7	7	Frank	01-2023	
8	8	Grace	01-2023	
9	9	Henry	01-2023	
10	10	lvy	01-2023	

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

SELECT v.venue_id, v.venue_name, (SELECT AVG(e.ticket_price) FROM Event e WHERE e.venue_id = v.venue_id) AS average_ticket_price FROM Venue v;

⊞ Results ☐ Messages				
	venue_id	venue_name	average_ticket_price	
1	1	Delhi	250.000000	
2	2	Mumbai	380.000000	
3	3	Hyderabad	2000.000000	
4	4	Bangalore	300.000000	
5	5	Ahmedabad	2000.000000	
6	6	Vadodara	300.000000	
7	7	Pune	200.000000	
8	8	Madurai	3000.000000	
9	9	Trichy	200.000000	
10	10	Chennai	350.000000	