ASSIGNMENT-5(HEXA)

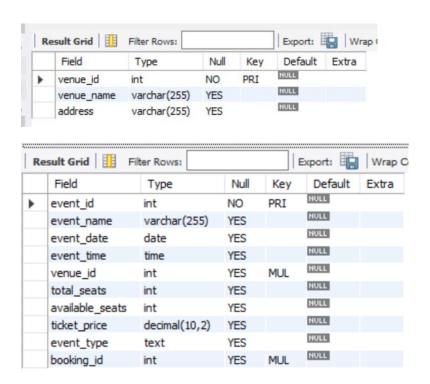
Task-1:

By:Satyendra Singh Rathore

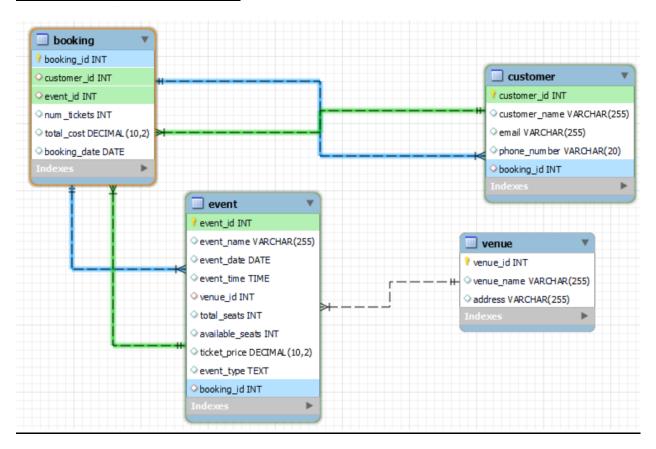
- 1. Create the database named "TicketBookingSystem"
- 2. Write SQL scripts to create the mentioned tables with appropriate data types, constraints, and relationships.
 - Venue
 - Event
 - Customers
 - Booking
- 3. Create an ERD (Entity Relationship Diagram) for the database.
- 4. Create appropriate Primary Key and Foreign Key constraints for referential integrity.

```
create database TicketBookingSystem;
       use TicketBookingSystem;
 7 • ○ CREATE TABLE venue (
          venue_id INT PRIMARY KEY,
          venue_name VARCHAR(255),
 9
          address VARCHAR(255)
10
     ٠);
11
12 ● ⊖ CREATE TABLE event (
13
            event id INT PRIMARY KEY,
            event name VARCHAR(255),
14
            event_date DATE,
15
16
            event time TIME,
            venue id INT,
17
            total seats INT,
18
            available seats INT,
19
            ticket price DECIMAL(10, 2),
20
            event_type ENUM('Movie', 'Sports', 'Concert'),
21
            booking id INT);
22
        alter table event modify column event_type text;
23 •
```

```
25 ● ○ CREATE TABLE customer (
 26
             customer_id INT PRIMARY KEY,
             customer_name VARCHAR(255),
 27
             email VARCHAR(255),
 28
             phone_number VARCHAR(20),
 29
             booking_id INT);
 30
 31
 32
 33 • G CREATE TABLE booking (
             booking_id INT PRIMARY KEY,
 34
             customer_id INT,
 35
 36
             event_id INT,
 37
             num tickets INT,
             total_cost DECIMAL(10, 2),
 38
 39
             booking date DATE,
             FOREIGN KEY (customer id) REFERENCES customer(customer id),
 40
             FOREIGN KEY (event_id) REFERENCES event(event_id)
 41
 42
         );
  44 •
          alter table customer add FOREIGN KEY (booking_id) REFERENCES booking(booking_id);
  45 •
           alter table event
                    add FOREIGN KEY (venue id) REFERENCES venue(venue id),
  46
                    add FOREIGN KEY (booking id) REFERENCES booking(booking id);
  47
 49 •
         desc booking;
         desc customer;
 50 •
 51 •
         desc event;
         desc venue;
 52 •
Result Grid
              Filter Rows:
                                        Export: Wrap
   Field
                Type
                            Null
                                   Key
                                         Default
                                                 Extra
  booking_id
                                  PRI
               int
                            NO
                                        NULL
                                  MUL
  customer_id
               int
                            YES
                                        NULL
  event_id
               int
                            YES
                                  MUL
                                        NULL
  num_tickets
               int
                            YES
                                        NULL
  total_cost
               decimal(10,2)
                            YES
                                        NULL
  booking_date date
                            YES
  Result Grid
                  Filter Rows:
                                               Export: Wrap C
     Field
                     Type
                                    Null
                                          Key
                                                 Default
                                                          Extra
                                                 NULL
                                          PRI
     customer_id
                                   NO
                                                 NULL
     customer_name
                     varchar(255)
                                   YES
                                                 NULL
                     varchar(255)
                                   YES
                                                 NULL
                     varchar(20)
     phone_number
                                   YES
                                                NULL
     booking_id
                     int
                                   YES
                                          MUL
```



Relationship Model/ERD:



Task-2:

- 1. Write a SQL query to insert at least 10 sample records into each table.
- 2. Write a SQL query to list all Events.
- 3. Write a SQL query to select events with available tickets.
- 4. Write a SQL query to select events name partial match with 'cup'.
- 5. Write a SQL query to select events with ticket price range is between 1000 to 2500.
- 6. Write a SQL query to retrieve events with dates falling within a specific range.
- 7. Write a SQL query to retrieve events with available tickets that also have "Concert" in their name.
- 8. Write a SQL query to retrieve users in batches of 5, starting from the 6th user.
- 9. Write a SQL query to retrieve bookings details contains booked no of ticket more than 4.
- 10. Write a SQL guery to retrieve customer information whose phone number end with '000'
- 11. Write a SQL query to retrieve the events in order whose seat capacity more than 15000.
- 12. Write a SQL query to select events name not start with 'x', 'y', 'z'

```
53 •
       INSERT INTO venue (venue_id, venue_name, address)
       VALUES
54
           (1, 'Royal Palace', '123, Main Street, Delhi'),
55
           (2, 'Mumbai Stadium', '456, Stadium Road, Mumbai'),
56
57
           (3, 'Green Gardens', '789, Garden Street, Bangalore'),
           (4, 'Kolkata Hall', '101, Hall Lane, Kolkata'),
58
           (5, 'Chennai Arena', '555, Arena Street, Chennai'),
59
           (6, 'Pune Auditorium', '777, Auditorium Road, Pune'),
60
           (7, 'Hyderabad Dome', '888, Dome Lane, Hyderabad'),
61
           (8, 'Ahmedabad Grounds', '999, Grounds Street, Ahmedabad'),
62
           (9, 'Jaipur Pavilion', '111, Pavilion Road, Jaipur'),
63
           (10, 'Lucknow Center', '222, Center Lane, Lucknow');
64
```

```
INSERT INTO event (event id, event name, event date, event time, venue id, total seats, available seats
 66
        VALUES
            (1, 'Bollywood Night', '2023-12-15', '20:00:00', 1, 500, 450, 250.00, 'Concert', NULL),
 67
            (2, 'Cricket Match', '2023-12-20', '14:30:00', 2, 1000, 800, 150.00, 'Sports', NULL),
 68
            (3, 'Movie Premiere', '2023-12-25', '18:00:00', 3, 300, 280, 180.00, 'Movie', NULL),
            (4, 'Stand-up Comedy', '2023-12-30', '19:30:00', 4, 200, 180, 200.00, 'Comedy', NULL),
 70
            (5, 'Cultural Festival', '2024-01-05', '17:00:00', 5, 800, 700, 100.00, 'Festival', NULL),
 71
            (6, 'Football Tournament', '2024-01-10', '15:00:00', 6, 1000, 900, 120.00, 'Sports', NULL),
 72
 73
            (7, 'Music Concert', '2024-01-15', '21:00:00', 7, 400, 380, 300.00, 'Concert', NULL),
            (8, 'Dance Show', '2024-01-20', '19:00:00', 8, 600, 580, 180.00, 'Performance', NULL),
 74
            (9, 'Tech Conference', '2024-01-25', '09:00:00', 9, 300, 280, 150.00, 'Conference', NULL),
 75
 76
            (10, 'Fashion Week', '2024-01-30', '16:30:00', 10, 500, 450, 220.00, 'Fashion', NULL);
 77 •
          INSERT INTO customer (customer_id, customer_name, email, phone_number, booking_id)
  78
          VALUES
  79
              (1, 'Aarav Kumar', 'aarav@example.com', '9876543210', NULL),
  80
              (2, 'Zoya Gupta', 'zoya@example.com', '8765432109', NULL),
              (3, 'Riya Singh', 'riya@example.com', '7654321098', NULL),
  81
              (4, 'Advik Sharma', 'advik@example.com', '6543210987', NULL),
  82
              (5, 'Aisha Patel', 'aisha@example.com', '5432109876', NULL),
  83
              (6, 'Rehan Kapoor', 'rehan@example.com', '4321098765', NULL),
  84
              (7, 'Diya Malhotra', 'diya@example.com', '3210987654', NULL),
  85
              (8, 'Vihaan Reddy', 'vihaan@example.com', '2109876543', NULL),
  86
              (9, 'Anaya Verma', 'anaya@example.com', '1098765432', NULL),
  87
              (10, 'Kabir Singh', 'kabir@example.com', '0987654321', NULL);
  88
 89 •
        INSERT INTO booking (booking id, customer id, event id, num tickets, total cost, booking date)
        VALUES
 90
            (1, 1, 1, 2, 500.00, '2023-12-14'),
 91
            (2, 2, 3, 4, 720.00, '2023-12-18'),
 92
            (3, 3, 2, 5, 750.00, '2023-12-22'),
 93
            (4, 4, 4, 3, 600.00, '2023-12-28'),
 94
            (5, 5, 5, 6, 600.00, '2024-01-02'),
 95
 96
            (6, 6, 6, 4, 480.00, '2024-01-08'),
            (7, 7, 7, 2, 600.00, '2024-01-12'),
 98
            (8, 8, 8, 3, 540.00, '2024-01-18'),
 99
            (9, 9, 9, 5, 750.00, '2024-01-23'),
            (10, 10, 10, 4, 880.00, '2024-01-28');
100
```

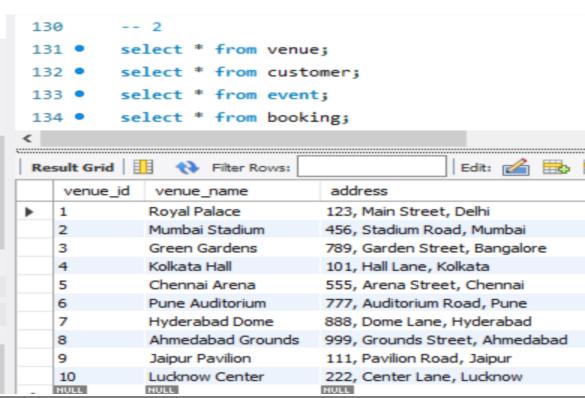
```
115 •
                                              UPDATE customer
102 •
        UPDATE event

    SET booking id = CASE

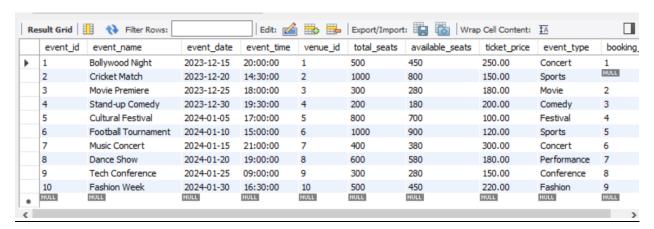
                                     116

⊖ SET booking id = CASE

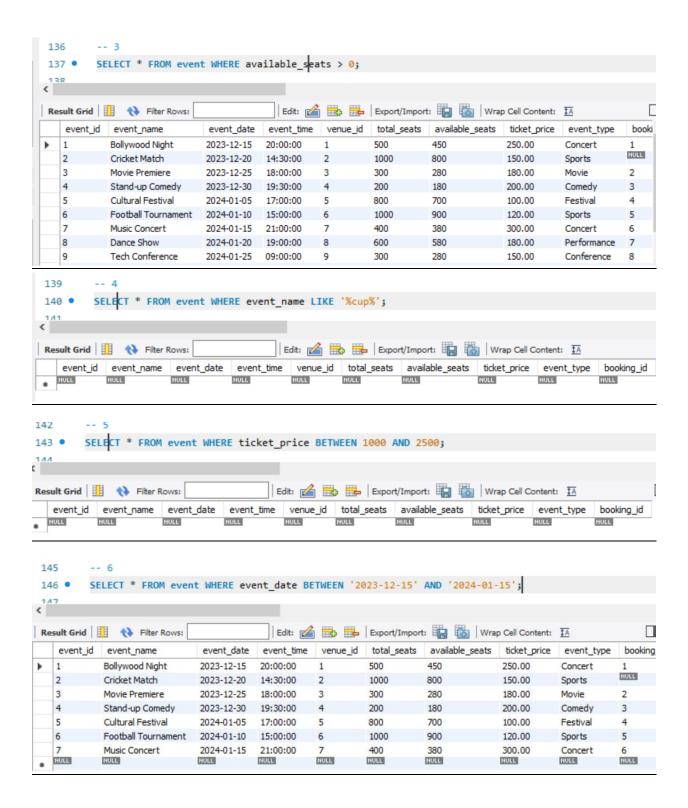
103
                                     117
                                                   WHEN customer id = 1 THEN 1
           WHEN event id = 1 THEN 1
104
                                                   WHEN customer id = 2 THEN 2
                                     118
105
           WHEN event_id = 3 THEN 2
                                                   WHEN customer id = 3 THEN 3
                                     119
           WHEN event id = 4 THEN 3
106
                                                   WHEN customer id = 4 THEN 4
                                     120
107
           WHEN event id = 5 THEN 4
                                     121
                                                   WHEN customer id = 5 THEN 5
           WHEN event_id = 6 THEN 5
108
                                     122
                                                   WHEN customer id = 6 THEN 6
109
           WHEN event id = 7 THEN 6
                                                   WHEN customer id = 7 THEN 7
                                     123
           WHEN event id = 8 THEN 7
110
                                     124
                                                   WHEN customer id = 8 THEN 8
           WHEN event id = 9 THEN 8
                                                   WHEN customer id = 9 THEN 9
                                     125
111
                                                   WHEN customer id = 10 THEN 10
           WHEN event id = 10 THEN 9 126
112
                                                   ELSE NULL
                                     127
113
           ELSE NULL
                                     128
                                                   END:
114
           END;
```

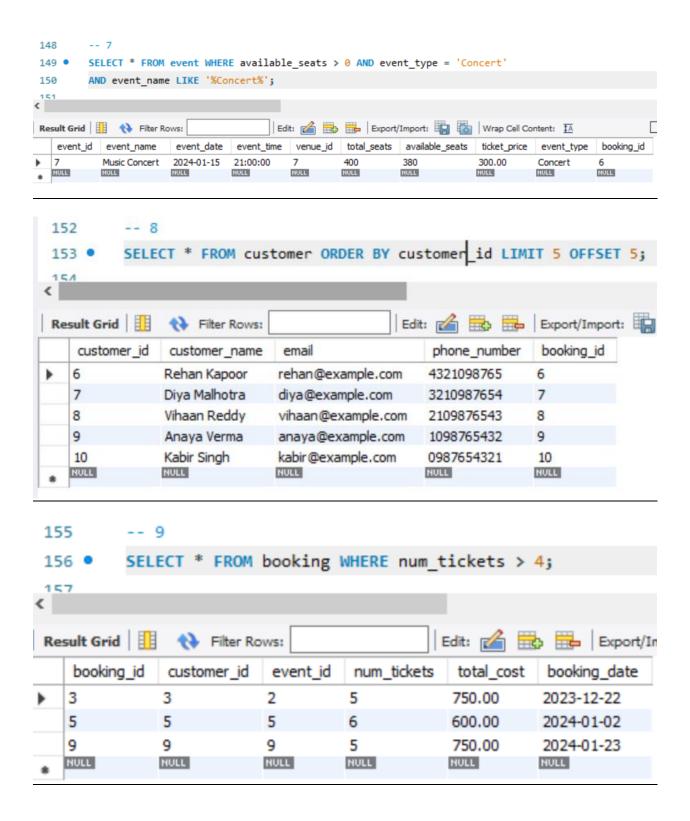


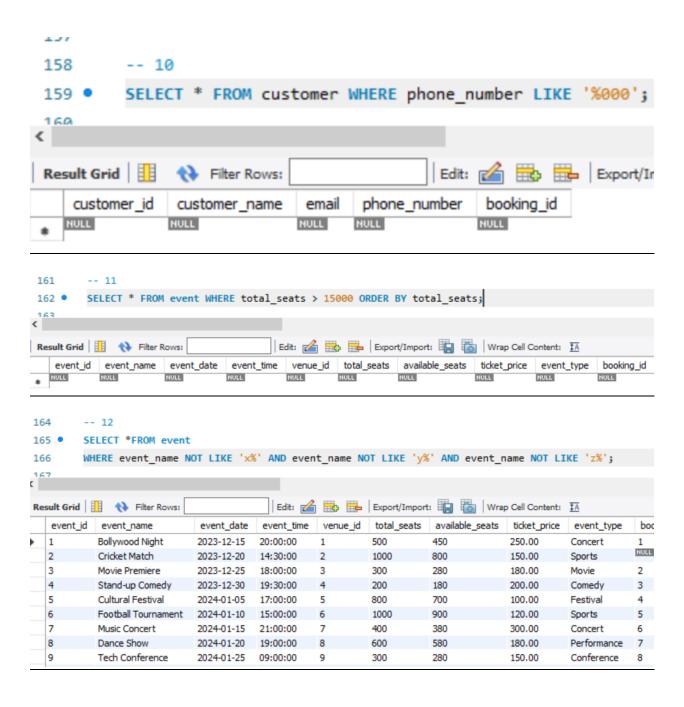
	customer_id	customer_name	email	phone_number	booking_id
١	1	Aarav Kumar	aarav@example.com	9876543210	1
	2	Zoya Gupta	zoya@example.com	8765432109	2
	3	Riya Singh	riya@example.com	7654321098	3
	4	Advik Sharma	advik@example.com	6543210987	4
	5	Aisha Patel	aisha@example.com	5432109876	5
	6	Rehan Kapoor	rehan@example.com	4321098765	6
	7	Diya Malhotra	diya@example.com	3210987654	7
	8	Vihaan Reddy	vihaan@example.com	2109876543	8
	9	Anaya Verma	anaya@example.com	1098765432	9
	10	Kabir Singh	kabir@example.com	0987654321	10
_	NULL	NULL	HULL	HULL	NULL



Re	esult Grid	₹ Filter Ro	ows:	Edit: 🚄 🖶 🖶 Export/I		
	booking_id	customer_id	event_id	num_tickets	total_cost	booking_date
•	1	1	1	2	500.00	2023-12-14
	2	2	3	4	720.00	2023-12-18
	3	3	2	5	750.00	2023-12-22
	4	4	4	3	600.00	2023-12-28
	5	5	5	6	600.00	2024-01-02
	6	6	6	4	480.00	2024-01-08
	7	7	7	2	600.00	2024-01-12
	8	8	8	3	540.00	2024-01-18
	9	9	9	5	750.00	2024-01-23
	10	10	10	4	880.00	2024-01-28
	NULL	NULL	NULL	NULL	NULL	NULL







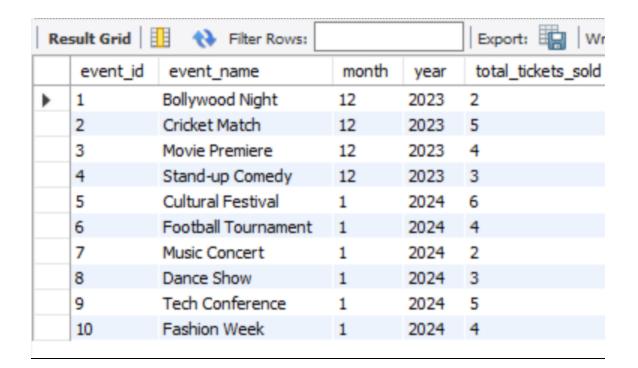
Task-3:

- 1. Write a SQL query to List Events and Their Average Ticket Prices.
- 2. Write a SQL query to Calculate the Total Revenue Generated by Events.
- 3. Write a SQL query to find the event with the highest ticket sales.
- 4. Write a SQL query to Calculate the Total Number of Tickets Sold for Each Event.
- 5. Write a SQL query to Find Events with No Ticket Sales.
- 6. Write a SQL query to Find the User Who Has Booked the Most Tickets.
- 7. Write a SQL query to List Events and the total number of tickets sold for each month.
- 8. Write a SQL query to calculate the average Ticket Price for Events in Each Venue.
- 9. Write a SQL query to calculate the total Number of Tickets Sold for Each Event Type.
- 10. Write a SQL query to calculate the total Revenue Generated by Events in Each Year.
- 11. Write a SQL query to list users who have booked tickets for multiple events.
- 12. Write a SQL query to calculate the Total Revenue Generated by Events for Each User.
- 13. Write a SQL query to calculate the Average Ticket Price for Events in Each Category and Venue.
- 14. Write a SQL query to list Users and the Total Number of Tickets They've Purchased in the Last 30 Days.

```
-- Task-3
168
169
170
        -- 1
171 •
        SELECT event name, AVG(ticket price) AS average ticket price
172
        FROM event
173
        GROUP BY event name;
17/
                                          Export: Wrap Cell Content: $\frac{1}{4}
event_name
                    average_ticket_price
  Bollywood Night
                    250.000000
  Cricket Match
                    150.000000
  Movie Premiere
                    180.000000
  Stand-up Comedy
                   200.000000
  Cultural Festival
                    100.000000
  Football Tournament 120,000000
  Music Concert
                    300.000000
  Dance Show
                    180.000000
  Tech Conference
                    150.000000
  Fashion Week
                    220.000000
175
         -- 2
         SELECT SUM(ticket price * num tickets) AS total revenue
176 •
177
         FROM event
         JOIN booking ON event.event_id = booking.event_id;
178
170
                                             Export: Wrap Cell Content:
total_revenue
  6420.00
```

```
180 -- 3
        SELECT event id, SUM(num tickets) AS total tickets sold
181 •
      FROM booking
182
        GROUP BY event id
183
        ORDER BY total tickets sold DESC
184
        LIMIT 1;
185
126
                                       Export: Wrap Cell Content:
Result Grid Filter Rows:
   event_id total_tickets_sold
  5
       -- 4
187
        SELECT event_id, SUM(num_tickets) AS total_tickets_sold
188 •
        FROM booking
189
        GROUP BY event id;
190
101
                                        Export: Wrap Cell Content:
event_id total_tickets_sold
  1
           2
  2
           5
           4
  3
  4
           3
  5
           6
  6
  7
           2
           3
  8
  9
           5
           4
  10
```

```
192
         -- 5
  193 •
         SELECT event.*
  194
         FROM event
  195
         WHERE total_seats=available_seats;
                                      | Edit: 🕍 🖶 | Export/Import: 📳 🐻 | Wrap Cell Content: 🏗
 venue_id total_seats available_seats ticket_price event_type
    event_id event_name
                      event_date
                               event_time
                     NULL
                               NULL
                                        NULL
                                                NULL
                                                          NULL
                                                                      NULL
                                                                               NULL
                                                                                         NULL
  197
             -- 6
  198 •
             SELECT customer id, SUM(num_tickets) AS total tickets booked
             FROM booking
  199
             GROUP BY customer_id
  200
             ORDER BY total_tickets_booked DESC
  201
  202
             LIMIT 1;
  203
                                                          Export: Wrap Cell Content: IA
  Result Grid Filter Rows:
      customer_id
                     total_tickets_booked
     5
                    6
204
       SELECT e.event_id, e.event_name,
205 •
           EXTRACT(MONTH FROM b.booking date) AS month,
207
           EXTRACT(YEAR FROM b.booking_date) AS year,
          SUM(b.num_tickets) AS total_tickets_sold
208
209
       FROM event e
210
       LEFT JOIN booking b ON e.event_id = b.event_id
211
       GROUP BY e.event_id, e.event_name, EXTRACT(MONTH FROM b.booking_date), EXTRACT(YEAR FROM b.booking_date)
212
       ORDER BY e.event_id, year, month;
213
```



- 214 -- 8
- 215 SELECT e.venue_id, v.venue_name, AVG(e.ticket_price) AS average_ticket_price
- 216 FROM event e
- 217 JOIN venue v ON e.venue_id = v.venue_id

	218 GROUP BY e.venue id, v.venue name;						
<							
Re	Result Grid 1						
	venue_id	venue_name	average_ticket_price				
•	1	Royal Palace	250.000000				
	2	Mumbai Stadium	150.000000				
	3	Green Gardens	180.000000				
	4	Kolkata Hall	200.000000				
	5	Chennai Arena	100.000000				
	6	Pune Auditorium	120.000000				
	7	Hyderabad Dome	300.000000				
	8	Ahmedabad Grounds	180.000000				
	9	Jaipur Pavilion	150.000000				
	10	Lucknow Center	220.000000				

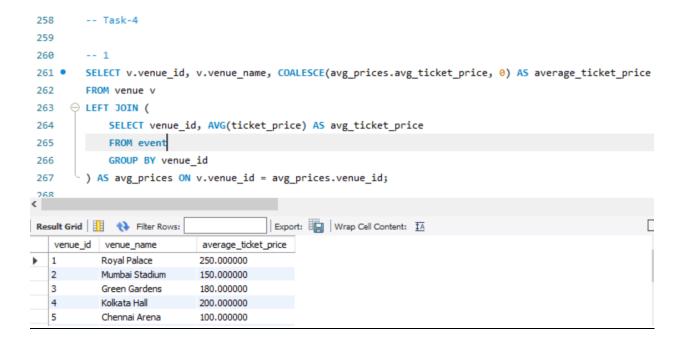
```
220 -- 9
        SELECT e.event_type, SUM(b.num_tickets) AS total_tickets_sold
221 •
        FROM event e
222
        JOIN booking b ON e.event id = b.event id
223
        GROUP BY e.event_type;
224
225
                                       Export: Wrap Cell Content: IA
event_type total_tickets_sold
  Concert
   Sports
             9
   Movie
   Comedy
             3
   Festival
   Performance
             3
   Conference
             5
   Fashion
             4
        -- 10
226
227 •
        SELECT EXTRACT(YEAR FROM b.booking date) AS year,
               SUM(e.ticket price * b.num tickets) AS total revenue
228
        FROM event e
229
230
        JOIN booking b ON e.event id = b.event id
        GROUP BY EXTRACT(YEAR FROM b.booking_date);
231
232
                                        Export: Wrap Cell Content: ‡A
total_revenue
   year
        2570.00
  2023
  2024
        3850.00
```

```
233
          -- 11
234
          SELECT customer_id
          FROM booking
235
          GROUP BY customer id
236
          HAVING COUNT(DISTINCT event_id) > 1;
237
238
Export
    customer_id
       -- 12
239
240
       SELECT b.customer_id, SUM(e.ticket_price * b.num_tickets) AS total_revenue
241
       FROM booking b
       JOIN event e ON b.event_id = e.event_id
242
243
       GROUP BY b.customer_id;
244
                                  Export: Wrap Cell Content: IA
customer_id
           total_revenue
           500.00
           720.00
           750.00
           600.00
  5
           600.00
           480.00
  7
           600.00
           540.00
           750.00
  10
           880.00
```

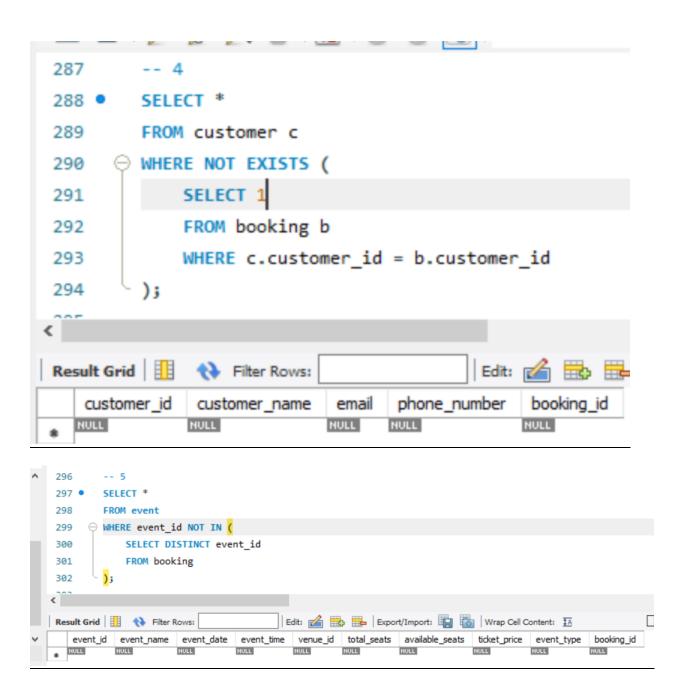
```
245
         -- 13
246 •
         SELECT e.event_type, v.venue_name, AVG(e.ticket_price) AS average_ticket_price
247
         FROM event e
         JOIN venue v ON e.venue_id = v.venue_id
248
         GROUP BY e.event_type, v.venue_name;
249
250
                                            Export: Wrap Cell Content: TA
Result Grid
               Filter Rows:
   event_type
               venue_name
                                 average_ticket_price
  Concert
               Royal Palace
                                 250.000000
              Mumbai Stadium
                                 150.000000
  Sports
  Movie
               Green Gardens
                                 180.000000
  Comedy
               Kolkata Hall
                                 200.000000
  Festival
               Chennai Arena
                                 100.000000
              Pune Auditorium
  Sports
                                 120.000000
  Concert
              Hyderabad Dome
                                 300.000000
  Performance
              Ahmedabad Grounds
                                 180.000000
  Conference
               Jaipur Pavilion
                                 150.000000
  Fashion
              Lucknow Center
                                 220.000000
251
           -- 14
          SELECT customer_id, SUM(num_tickets) AS total_tickets_purchased
252 •
253
           FROM booking
          WHERE booking_date >= CURRENT_DATE - INTERVAL 30 day
254
           GROUP BY customer id;
255
256
                                                    Export: Wrap Cell Content: TA
Result Grid
                 Filter Rows:
                 total_tickets_purchased
   customer_id
                 2
   1
   2
                 4
   3
                 5
   4
                 3
   5
                 6
                 4
   6
   7
                 2
                 3
   8
   9
                 5
                 4
   10
```

Task-4:

- 1. Calculate the Average Ticket Price for Events in Each Venue Using a Subquery.
- 2. Find Events with More Than 50% of Tickets Sold using subquery.
- 3. Calculate the Total Number of Tickets Sold for Each Event.
- 4. Find Users Who Have Not Booked Any Tickets Using a NOT EXISTS Subquery.
- 5. List Events with No Ticket Sales Using a NOT IN Subquery.
- 6. Calculate the Total Number of Tickets Sold for Each Event Type Using a Subquery in the FROM Clause.
- 7. Find Events with Ticket Prices Higher Than the Average Ticket Price Using a Subquery in the WHERE Clause.
- 8. Calculate the Total Revenue Generated by Events for Each User Using a Correlated Subquery.
- 9. List Users Who Have Booked Tickets for Events in a Given Venue Using a Subquery in the WHERE Clause.
- 10. Calculate the Total Number of Tickets Sold for Each Event Category Using a Subquery with GROUP BY.
- 11. Find Users Who Have Booked Tickets for Events in each Month Using a Subquery with DATE_FORMAT.
- 12. Calculate the Average Ticket Price for Events in Each Venue Using a Subquery



```
269
      -- 2
      SELECT *
270
      FROM event
271
    272
         SELECT SUM(num_tickets) * 1.0 / total_seats
273
       FROM booking
274
         WHERE event.event id = booking.event id
                                Edit: 🕍 🖶 | Export/Import: 📳 🐻 | Wrap Cell Content: 🔣
event_time
                                  venue_id total_seats available_seats ticket_price
  event_id event_name
                 event_date
                                                                   event_type
                                                                            booking_id
        NULL
                 NULL
                         NULL
             -- 3
  278
             select e.event id,e.event name,temp.total tickets
  280
             from event e
             join
  281
                  (select event_id,sum(num_tickets) as total_tickets
  282
                  from booking
  283
                  group by event id) as temp
  284
             on e.event id=temp.event id;
  285
                                                       Export: Wrap Cell Content
  Result Grid
                    Filter Rows:
      event id
                 event_name
                                       total tickets
     1
                Bollywood Night
                                      2
     2
                Cricket Match
                                      5
                Movie Premiere
     3
     4
                Stand-up Comedy
                                      3
     5
                Cultural Festival
                Football Tournament
     6
     7
                Music Concert
                                      2
     8
                Dance Show
                                      3
```



```
-- 6 ***
 304
         select event_type,sum(num_tickets) as total_tickets_sold
 305 •
 306
 307
      (select e.event_id,e.event_type,b.num_tickets
         from event e
 308
         left join booking b on e.event_id=b.event_id) as subquery
 309
         group by event_type;
 310
Result Grid | Filter Rows:
                                        Export: Wrap Cell Content: IA
              total_tickets_sold
   event_type
Concert
   Sports
   Movie
   Comedy
   Festival
   Performance
              3
   Conference
   Fashion
314
        SELECT *
316
        FROM event
      WHERE ticket_price > (
318
            SELECT AVG(ticket_price)
319
            FROM event
320
                                        | Edit: 🕍 🖶 | Export/Import: 🏣 🐻 | Wrap Cell Content: 🛂
                                                                                                        venue_id total_seats
   event_id event_name
                                    event_time
                                                                 available_seats
                                                                              ticket_price
                                                                                         event_type
                                                                                                   booking_id
                          event_date
                         2023-12-15
                                    20:00:00
                                                                              250.00
  1
          Bollywood Night
                                              1
                                                       500
                                                                                        Concert
                                                                                                  1
  4
                                              4
                                                       200
                                                                 180
                                                                              200.00
          Stand-up Comedy
                         2023-12-30
                                    19:30:00
                                                                                        Comedy
                                                                                                  3
          Music Concert
                         2024-01-15
                                    21:00:00
                                                       400
                                                                 380
                                                                              300.00
                                                                                        Concert
                                                                                                  6
                                                                                                  9
  10
          Fashion Week
                         2024-01-30
                                   16:30:00
                                              10
                                                       500
                                                                 450
                                                                              220.00
                                                                                        Fashion
          NULL
                                                                NULL
                                                                                        NULL
                                                                                                  NULL
  NULL
             -- 8 ***
 322
             SELECT b.customer id,
323 •
                   (SELECT COALESCE(SUM(e.ticket_price * b.num_tickets), 0)
 324
 325
                    FROM event e
                    WHERE e.event id = b.event id) AS total revenue
 326
 327
             FROM booking b
             GROUP BY b.customer id;
 328
```

```
330 -- 9
           SELECT DISTINCT c.*
331 •
332
           FROM customer c
        WHERE c.customer_id IN (
333
                SELECT DISTINCT b.customer id
334
                FROM booking b
335
                JOIN event e ON b.event_id = e.event_id
336
337
                WHERE e.venue id = '6'
338
           );
Edit: 🚄 🖶 🖶 Export/Impo
    customer_id
                                   email
                                                         phone_number
                                                                          booking_id
                 customer_name
   6
                 Rehan Kapoor
                                   rehan@example.com
                                                         4321098765
                                                                         6
   NULL
                 NULL
                                  NULL
                                                        NULL
                                                                         NULL
      -- 10 ***
338
339 • ⊖ select e.event_type, (select sum(num_tickets) from booking b
     where b.event id in (select event id from event as e1 where e1.event type=e.event type)) as total tickets sold
341
      from event e
342
      group by e.event_type;
Export: Wrap Cell Content: IA
          total_tickets_sold
  event_type
▶ Concert
 Sports
  Movie
  Comedy
         3
 Festival
  Performance
  Conference
 Fashion
          4
```

```
-- 11
350
           SELECT DISTINCT c.customer_id
352
           FROM customer c
353

→ WHERE EXISTS (
354
                 SELECT 1
                 FROM booking b
355
                 WHERE b.customer id = c.customer id
356
                 AND DATE_FORMAT(b.booking_date, '%Y-%m') = '2023-12-15
357
358
           );
360
361 •
       SELECT v.venue id, v.venue name, COALESCE(avg prices.avg ticket price, 0) AS average ticket price
362
       FROM venue v
     O LEFT JOIN (
           SELECT venue id, AVG(ticket price) AS avg ticket price
           FROM event
365
366
           GROUP BY venue_id
       ) AS avg_prices ON v.venue_id = avg_prices.venue_id;
367
Result Grid Filter Rows:
                                     Export: Wrap Cell Content: TA
  venue_id venue_name
                          average_ticket_price
          Royal Palace
                         250.000000
          Mumbai Stadium 150.000000
          Green Gardens
                         180.000000
          Kolkata Hall
                        200.000000
  5
          Chennai Arena
                         100.000000
                        120.000000
  6
          Pune Auditorium
  7
          Hyderabad Dome
                         300.000000
  8
          Ahmedabad Grounds 180.000000
```