Hexaware Foundation Training 2025

SQL / Java Assignments

Ticket Booking System

26/03/2025

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Tasks 2

Select, Where, Between, AND, LIKE:

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

Queries to Insert values into tables:

INSERT INTO Venue (venue_name, address) VALUES

('INOX Megaplex', 'Mumbai'),

('Eden Gardens', 'Kolkata'),

('RockWave Concert Hall', 'Pune'),

('Phoenix Mall PVR', 'Bangalore'),

('Wankhede Stadium', 'Mumbai'),

('Chennai Music Fest Arena', 'Chennai'),

('Rajiv Gandhi Stadium', 'Hyderabad'),

('Bangalore Symphony Hall', 'Bangalore'),

('Ahmedabad Cineplex', 'Ahmedabad'),

('Sunburn Beach Stage', 'Goa');

To view table: select *from venue;
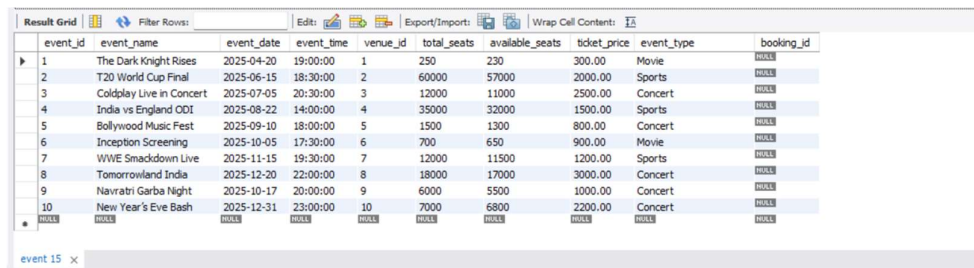
To insert values into Event table:

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

('The Dark Knight Rises', '2025-04-20', '19:00:00', 1, 250, 230, 300.00, 'Movie'),

('T20 World Cup Final', '2025-06-15', '18:30:00', 2, 60000, 57000, 2000.00, 'Sports'),

('Coldplay Live in Concert', '2025-07-05', '20:30:00', 3, 12000, 11000, 2500.00, 'Concert'),

('India vs England ODI', '2025-08-22', '14:00:00', 4, 35000, 32000, 1500.00, 'Sports'),

('Bollywood Music Fest', '2025-09-10', '18:00:00', 5, 1500, 1300, 800.00, 'Concert'),

('Inception Screening', '2025-10-05', '17:30:00', 6, 700, 650, 900.00, 'Movie'),

('WWE Smackdown Live', '2025-11-15', '19:30:00', 7, 12000, 11500, 1200.00, 'Sports'),

('Tomorrowland India', '2025-12-20', '22:00:00', 8, 18000, 17000, 3000.00, 'Concert'),

('Navratri Garba Night', '2025-10-17', '20:00:00', 9, 6000, 5500, 1000.00, 'Concert'),

('New Year's Eve Bash', '2025-12-31', '23:00:00', 10, 7000, 6800, 2200.00, 'Concert');

To view table: select *from event;

event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type	booking_id
1	The Dark Knight Rises	2025-04-20	19:00:00	1	250	230	300.00	Movie	NULL
2	T20 World Cup Final	2025-06-15	18:30:00	2	60000	57000	2000.00	Sports	NULL
3	Coldplay Live in Concert	2025-07-05	20:30:00	3	12000	11000	2500.00	Concert	NULL
4	India vs England ODI	2025-08-22	14:00:00	4	35000	32000	1500.00	Sports	NULL
5	Bollywood Music Fest	2025-09-10	18:00:00	5	1500	1300	800.00	Concert	NULL
6	Inception Screening	2025-10-05	17:30:00	6	700	650	900.00	Movie	NULL
7	WWE Smackdown Live	2025-11-15	19:30:00	7	12000	11500	1200.00	Sports	NULL
8	Tomorrowland India	2025-12-20	22:00:00	8	18000	17000	3000.00	Concert	NULL
9	Navratri Garba Night	2025-10-17	20:00:00	9	6000	5500	1000.00	Concert	NULL
10	New Year's Eve Bash	2025-12-31	23:00:00	10	7000	6800	2200.00	Concert	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

event 15 ×

To insert values into Customer table:

INSERT INTO Customer (customer_name, email, phone_number) VALUES

('Aarav Malhotra', 'aarav@gmail.com', '9871234560'),

('Simran Kaur', 'simran@yahoo.com', '9856123470'),

('Rohan Das', 'rohan@gmail.com', '9998877665'),

('Tanvi Nair', 'tanvi@reddifmail.com', '9776654321'),

('Aditya Rao', 'aditya@outlook.com', '9443322789'),

('Zoya Sheikh', 'zoya@outlook.com', '9332211555'),

('Manoj Pillai', 'manoj@gmail.com', '9221109999'),

('Pooja Deshmukh', 'pooja@reddifmail.com', '9112233999'),

('Harshit Saxena', 'harshit@yahoo.com', '9001122444'),

('Ishita Agarwal', 'ishita@gmail.com', '9887766000');

To view: select *from customer;

customer_id	customer_name	email	phone_number
1	Aarav Malhotra	aarav@gmail.com	9871234560
2	Simran Kaur	simran@yahoo.com	9856123470
3	Rohan Das	rohan@gmail.com	9998877665
4	Tanvi Nair	tanvi@reddifmail.com	9776654321
5	Aditya Rao	aditya@outlook.com	9443322789
6	Zoya Sheikh	zoya@outlook.com	9332211555
7	Manoj Pillai	manoj@gmail.com	9221109999
8	Pooja Deshmukh	pooja@reddifmail.com	9112233999
9	Harshit Saxena	harshit@yahoo.com	9001122444
10	Ishita Agarwal	ishita@gmail.com	9887766000
NULL	NULL	NULL	NULL

customer 16 ×

To insert values into Booking table:

INSERT INTO Booking (customer_id, event_id, num_tickets, total_cost, booking_date) VALUES

(3, 2, 4, 6000.00, '2025-04-12 13:00:00'),

(5, 4, 2, 2400.00, '2025-06-01 12:15:00'),

(1, 6, 3, 2100.00, '2025-07-07 18:30:00'),

(7, 8, 5, 12500.00, '2025-08-20 19:00:00'),

(9, 10, 1, 1800.00, '2025-09-10 15:45:00'),

(2, 1, 2, 500.00, '2025-10-05 10:00:00'),

(4, 3, 3, 6000.00, '2025-11-02 16:10:00'),

(6, 5, 2, 1000.00, '2025-12-15 14:30:00'),

(8, 7, 4, 3600.00, '2025-12-22 20:15:00'),

(10, 9, 3, 2100.00, '2025-12-29 23:00:00');

To view: select *from booking;

booking_id	customer_id	event_id	num_tickets	total_cost	booking_date
1	3	2	4	6000.00	2025-04-12 13:00:00
2	5	4	2	2400.00	2025-06-01 12:15:00
3	1	6	3	2100.00	2025-07-07 18:30:00
4	7	8	5	12500.00	2025-08-20 19:00:00
5	9	10	1	1800.00	2025-09-10 15:45:00
6	2	1	2	500.00	2025-10-05 10:00:00
7	4	3	3	6000.00	2025-11-02 16:10:00
8	6	5	2	1000.00	2025-12-15 14:30:00
9	8	7	4	3600.00	2025-12-22 20:15:00
10	10	9	3	2100.00	2025-12-29 23:00:00
NULL	NULL	NULL	NULL	NULL	NULL

2. Write a SQL query to list all Events.

Query to list all events: select *from event;

event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type	booking_id
1	The Dark Knight Rises	2025-04-20	19:00:00	1	250	230	300.00	Movie	NULL
2	T20 World Cup Final	2025-06-15	18:30:00	2	60000	57000	2000.00	Sports	NULL
3	Coldplay Live in Concert	2025-07-05	20:30:00	3	12000	11000	2500.00	Concert	NULL
4	India vs England ODI	2025-08-22	14:00:00	4	35000	32000	1500.00	Sports	NULL
5	Bollywood Music Fest	2025-09-10	18:00:00	5	1500	1300	800.00	Concert	NULL
6	Inception Screening	2025-10-05	17:30:00	6	700	650	900.00	Movie	NULL
7	WWE Smackdown Live	2025-11-15	19:30:00	7	12000	11500	1200.00	Sports	NULL
8	Tomorrowland India	2025-12-20	22:00:00	8	18000	17000	3000.00	Concert	NULL
9	Navratri Garba Night	2025-10-17	20:00:00	9	6000	5500	1000.00	Concert	NULL
10	New Year's Eve Bash	2025-12-31	23:00:00	10	7000	6800	2200.00	Concert	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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

SELECT * FROM Event WHERE available_seats > 0;

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115
116 •   SELECT * FROM Event WHERE available_seats > 0;
117
```

event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type	booking_id
1	The Dark Knight Rises	2025-04-20	19:00:00	1	250	230	300.00	Movie	NULL
2	T20 World Cup Final	2025-06-15	18:30:00	2	60000	57000	2000.00	Sports	NULL
3	Coldplay Live in Concert	2025-07-05	20:30:00	3	12000	11000	2500.00	Concert	NULL
4	India vs England ODI	2025-08-22	14:00:00	4	35000	32000	1500.00	Sports	NULL
5	Bollywood Music Fest	2025-09-10	18:00:00	5	1500	1300	800.00	Concert	NULL
6	Inception Screening	2025-10-05	17:30:00	6	700	650	900.00	Movie	NULL
7	WWE Smackdown Live	2025-11-15	19:30:00	7	12000	11500	1200.00	Sports	NULL
8	Tomorrowland India	2025-12-20	22:00:00	8	18000	17000	3000.00	Concert	NULL
9	Navratri Garba Night	2025-10-17	20:00:00	9	6000	5500	1000.00	Concert	NULL
10	New Year's Eve Bash	2025-12-31	23:00:00	10	7000	6800	2200.00	Concert	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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

SELECT * FROM Event WHERE event_name LIKE '%cup%';

```
117
118 •   SELECT * FROM Event WHERE event_name LIKE '%cup%';
119
```

event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type	booking_id
2	T20 World Cup Final	2025-06-15	18:30:00	2	60000	57000	2000.00	Sports	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

4

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;

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119
120 •   SELECT * FROM Event WHERE ticket_price BETWEEN 1000 AND 2500;
121
122
```

event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type	booking_id
2	T20 World Cup Final	2025-06-15	18:30:00	2	60000	57000	2000.00	Sports	NULL
3	Coldplay Live in Concert	2025-07-05	20:30:00	3	12000	11000	2500.00	Concert	NULL
4	India vs England ODI	2025-08-22	14:00:00	4	35000	32000	1500.00	Sports	NULL
7	WWE Smackdown Live	2025-11-15	19:30:00	7	12000	11500	1200.00	Sports	NULL
9	Navratri Garba Night	2025-10-17	20:00:00	9	6000	5500	1000.00	Concert	NULL
10	New Year's Eve Bash	2025-12-31	23:00:00	10	7000	6800	2200.00	Concert	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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

SELECT * FROM Event WHERE event_date BETWEEN '2025-05-08' AND '2025-09-25';

```
121
122 •   SELECT * FROM Event WHERE event_date BETWEEN '2025-05-08' AND '2025-09-25';
```

event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type	booking_id
2	T20 World Cup Final	2025-06-15	18:30:00	2	60000	57000	2000.00	Sports	NULL
3	Coldplay Live in Concert	2025-07-05	20:30:00	3	12000	11000	2500.00	Concert	NULL
4	India vs England ODI	2025-08-22	14:00:00	4	35000	32000	1500.00	Sports	NULL
5	Bollywood Music Fest	2025-09-10	18:00:00	5	1500	1300	800.00	Concert	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

7. SQL query to retrieve events with available tickets that also have "Concert" in their name
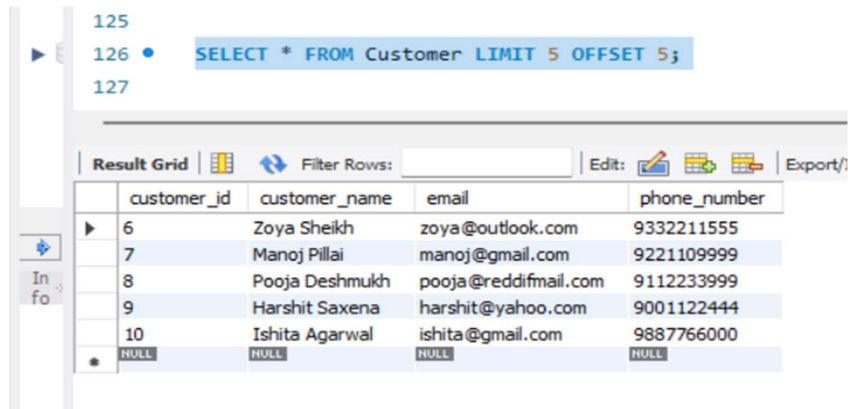
SELECT * FROM Event WHERE available_seats > 0 AND event_type = 'Concert';

```
123
124 •   SELECT * FROM Event WHERE available_seats > 0 AND event_type = 'Concert';
```

event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type	booking_id
3	Coldplay Live in Concert	2025-07-05	20:30:00	3	12000	11000	2500.00	Concert	NULL
5	Bollywood Music Fest	2025-09-10	18:00:00	5	1500	1300	800.00	Concert	NULL
8	Tomorrowland India	2025-12-20	22:00:00	8	18000	17000	3000.00	Concert	NULL
9	Navratri Garba Night	2025-10-17	20:00:00	9	6000	5500	1000.00	Concert	NULL
10	New Year's Eve Bash	2025-12-31	23:00:00	10	7000	6800	2200.00	Concert	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

8. Write a SQL query to retrieve users in batches of 5, starting from the 6th user.
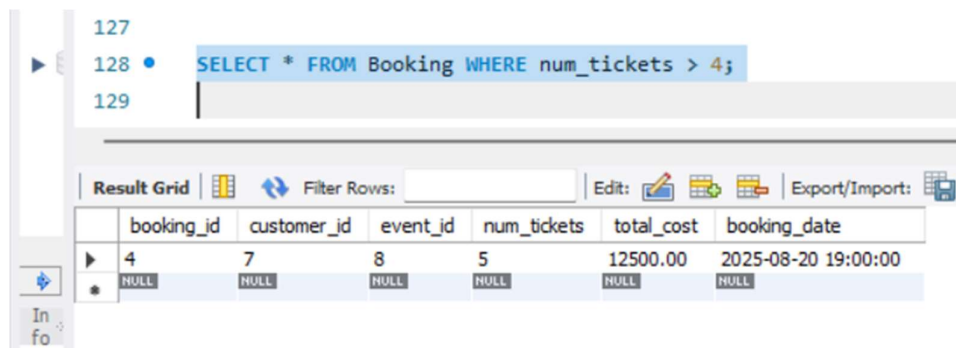
SELECT * FROM Customer LIMIT 5 OFFSET 5;

9. Write a SQL query to retrieve bookings details contains booked no of ticket more than 4.
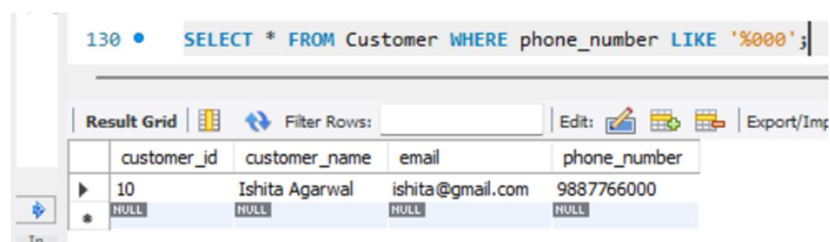
SELECT * FROM Booking WHERE num_tickets > 4;

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

SELECT * FROM Customer WHERE phone_number LIKE '%000';

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

SELECT * FROM Event WHERE total_seats > 15000 ORDER BY total_seats;

```
131
132 •   SELECT * FROM Event WHERE total_seats > 15000 ORDER BY total_seats;
```

event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type	booking_id
2	T20 World Cup Final	2025-06-15	18:30:00	2	60000	57000	2000.00	Sports	NULL
4	India vs England ODI	2025-08-22	14:00:00	4	35000	32000	1500.00	Sports	NULL
8	Tomorrowland India	2025-12-20	22:00:00	8	18000	17000	3000.00	Concert	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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 'z%';

```
134 •   SELECT * FROM Event WHERE event_name NOT LIKE 'x%'
135     AND event_name NOT LIKE 'y%'
136     AND event_name NOT LIKE 'z%';
```

event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type	booking_id
1	The Dark Knight Rises	2025-04-20	19:00:00	1	250	230	300.00	Movie	NULL
2	T20 World Cup Final	2025-06-15	18:30:00	2	60000	57000	2000.00	Sports	NULL
3	Coldplay Live in Concert	2025-07-05	20:30:00	3	12000	11000	2500.00	Concert	NULL
4	India vs England ODI	2025-08-22	14:00:00	4	35000	32000	1500.00	Sports	NULL
5	Bollywood Music Fest	2025-09-10	18:00:00	5	1500	1300	800.00	Concert	NULL
6	Inception Screening	2025-10-05	17:30:00	6	700	650	900.00	Movie	NULL
7	WWE Smackdown Live	2025-11-15	19:30:00	7	12000	11500	1200.00	Sports	NULL
8	Tomorrowland India	2025-12-20	22:00:00	8	18000	17000	3000.00	Concert	NULL
9	Navratri Garba Night	2025-10-17	20:00:00	9	6000	5500	1000.00	Concert	NULL
10	New Year's Eve Bash	2025-12-31	23:00:00	10	7000	6800	2200.00	Concert	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL