

--TASK 2

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

-- insert sample data into venue table

insert into venue (venue_id, venue_name, address) values

```
(1, 'Wankhede Stadium', 'Mumbai, India'),
(2, 'Bangalore Palace', 'Bangalore, India'),
(3, 'Sathyam Cinemas', 'Chennai, India'),
(4, 'EKA Arena', 'Ahmedabad, India'),
(5, 'Music Academy', 'Chennai, India'),
(6, 'Eden Gardens', 'Kolkata, India'),
(7, 'IMAX Theatre', 'Bangalore, India'),
(8, 'DY Patil Stadium', 'Delhi, India'),
(9, 'National Stadium', 'Delhi, India'),
(10, 'Habitat Centre', 'Delhi, India');
```

	venue_id	venue_name	address
1	1	Wankhede Stadium	Mumbai, India
2	2	Bangalore Palace	Bangalore, India
3	3	Sathyam Cinemas	Chennai, India
4	4	EKA Arena	Ahmedabad, India
5	5	Music Academy	Chennai, India
6	6	Eden Gardens	Kolkata, India
7	7	IMAX Theatre	Bangalore, India
8	8	DY Patil Stadium	Delhi, India
9	9	National Stadium	Delhi, India
10	10	Habitat Centre	Delhi, India

-- insert sample data into event table

insert into event (event_id, event_name, event_date, event_time, venue_id, total_seats, available_seats, ticket_price, event_type) values

```
(1, 'IPL Match', '2025-04-15', '18:30:00', 1, 50000, 45000, 2000.00, 'sports'),
(2, 'Bollywood Concert', '2025-05-10', '19:00:00', 2, 6000, 5500, 1600.00, 'concert'),
(3, 'Tamil Movie Premiere', '2025-06-20', '21:00:00', 3, 300, 250, 600.00, 'movie'),
(4, 'Kabaddi League', '2025-07-12', '18:00:00', 4, 15000, 14000, 1000.00, 'sports'),
(5, 'Carnatic Music Night', '2025-08-05', '20:00:00', 5, 1000, 900, 1200.00, 'concert'),
(6, 'Cricket Test Match', '2025-09-10', '14:00:00', 6, 40000, 38000, 3000.00, 'sports'),
(7, 'Drama Play', '2025-10-25', '19:30:00', 7, 2000, 1800, 2400.00, 'movie'),
(8, 'Coldplay', '2025-11-05', '20:30:00', 8, 800, 750, 1400.00, 'concert'),
(9, 'Hockey Tournament', '2025-12-18', '16:00:00', 9, 12000, 11500, 1200.00, 'sports'),
(10, 'Comedy Show', '2026-01-22', '19:45:00', 10, 500, 450, 800.00, 'movie');
```

TASK2.sql

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	event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type
1	1	IPL Match	2025-04-15	18:30:00.00000000	1	50000	45000	2000.00	sports
2	2	Bollywood Concert	2025-05-10	19:00:00.00000000	2	6000	5500	1600.00	concert
3	3	Tamil Movie Premiere	2025-06-20	21:00:00.00000000	3	300	250	600.00	movie
4	4	Kabaddi League	2025-07-12	18:00:00.00000000	4	15000	14000	1000.00	sports
5	5	Carnatic Music Night	2025-08-05	20:00:00.00000000	5	1000	900	1200.00	concert
6	6	Cricket Test Match	2025-09-10	14:00:00.00000000	6	40000	38000	3000.00	sports
7	7	Drama Play	2025-10-25	19:30:00.00000000	7	2000	1800	2400.00	movie
8	8	Coldplay	2025-11-05	20:30:00.00000000	8	800	750	1400.00	concert
9	9	Hockey Tournament	2025-12-18	16:00:00.00000000	9	12000	11500	1200.00	sports
10	10	Comedy Show	2026-01-22	19:45:00.00000000	10	500	450	800.00	movie

```
-- insert sample data into customer table
```

```
insert into customer (customer_id, customer_name, email, phone_number) values
(1, 'Amit', 'amit@example.com', '9876543210'),
(2, 'Priya', 'priya@example.com', '9876543211'),
(3, 'Rahul', 'rahul@example.com', '9876543212'),
(4, 'Sita', 'sita@example.com', '9876543213'),
(5, 'Vikram', 'vikram@example.com', '9876543214'),
(6, 'Neha', 'neha@example.com', '9876543215'),
(7, 'Rohan', 'rohan@example.com', '9876543216'),
(8, 'Kavita', 'kavita@example.com', '9876543217'),
(9, 'Arjun', 'arjun@example.com', '9876543218'),
(10, 'Divya', 'divya@example.com', '9876543219');
```

	customer_id	customer_name	email	phone_number
1	1	Amit	amit@example.com	9876543210
2	2	Priya	priya@example.com	9876543211
3	3	Rahul	rahul@example.com	9876543212
4	4	Sita	sita@example.com	9876543213
5	5	Vikram	vikram@example.com	9876543214
6	6	Neha	neha@example.com	9876543215
7	7	Rohan	rohan@example.com	9876543216
8	8	Kavita	kavita@example.com	9876543217
9	9	Arjun	arjun@example.com	9876543218
10	10	Divya	divya@example.com	9876543219

```
-- insert sample data into booking table
```

```
insert into booking (booking_id, customer_id, event_id, num_tickets, total_cost,
    booking_date) values
(1, 1, 1, 2, 200.00, '2025-03-10'),
(2, 2, 2, 4, 320.00, '2025-03-12'),
(3, 3, 3, 1, 30.00, '2025-03-15'),
(4, 4, 4, 3, 150.00, '2025-03-20'),
(5, 5, 5, 2, 120.00, '2025-03-22'),
(6, 6, 6, 5, 750.00, '2025-03-25'),
(7, 7, 7, 2, 240.00, '2025-03-28'),
(8, 8, 8, 4, 280.00, '2025-03-30'),
(9, 9, 9, 1, 60.00, '2025-04-01'),
(10, 10, 10, 3, 120.00, '2025-04-03');
```

	booking_id	customer_id	event_id	num_tickets	total_cost	booking_date
1	1	1	1	2	200.00	2025-03-10 00:00:00.000
2	2	2	2	4	320.00	2025-03-12 00:00:00.000
3	3	3	3	1	30.00	2025-03-15 00:00:00.000
4	4	4	4	3	150.00	2025-03-20 00:00:00.000
5	5	5	5	2	120.00	2025-03-22 00:00:00.000
6	6	6	6	5	750.00	2025-03-25 00:00:00.000
7	7	7	7	2	240.00	2025-03-28 00:00:00.000
8	8	8	8	4	280.00	2025-03-30 00:00:00.000
9	9	9	9	1	60.00	2025-04-01 00:00:00.000
10	10	10	10	3	120.00	2025-04-03 00:00:00.000

```
--2. Write a SQL 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
1	1	IPL Match	2025-04-15	18:30:00.00000000	1	50000	45000	2000.00	sports
2	2	Bollywood Concert	2025-05-10	19:00:00.00000000	2	6000	5500	1600.00	concert
3	3	Tamil Movie Premiere	2025-06-20	21:00:00.00000000	3	300	250	600.00	movie
4	4	Kabaddi League	2025-07-12	18:00:00.00000000	4	15000	14000	1000.00	sports
5	5	Carnatic Music Night	2025-08-05	20:00:00.00000000	5	1000	900	1200.00	concert
6	6	Cricket Test Match	2025-09-10	14:00:00.00000000	6	40000	38000	3000.00	sports
7	7	Drama Play	2025-10-25	19:30:00.00000000	7	2000	1800	2400.00	movie
8	8	Coldplay	2025-11-05	20:30:00.00000000	8	800	750	1400.00	concert
9	9	Hockey Tournament	2025-12-18	16:00:00.00000000	9	12000	11500	1200.00	sports
10	10	Comedy Show	2026-01-22	19:45:00.00000000	10	500	450	800.00	movie

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

```
select * from event where available_seats > 0;
```

	event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type
1	1	IPL Match	2025-04-15	18:30:00.00000000	1	50000	45000	100.00	sports
2	2	Bollywood Concert	2025-05-10	19:00:00.00000000	2	6000	5500	80.00	concert
3	3	Tamil Movie Premiere	2025-06-20	21:00:00.00000000	3	300	250	30.00	movie
4	4	Kabaddi League	2025-07-12	18:00:00.00000000	4	15000	14000	50.00	sports
5	5	Carnatic Music Night	2025-08-05	20:00:00.00000000	5	1000	900	60.00	concert
6	6	Cricket Test Match	2025-09-10	14:00:00.00000000	6	40000	38000	150.00	sports
7	7	Drama Play	2025-10-25	19:30:00.00000000	7	2000	1800	120.00	movie
8	8	Coldplay	2025-11-05	20:30:00.00000000	8	800	750	70.00	concert
9	9	Hockey Tournament	2025-12-18	16:00:00.00000000	9	12000	11500	60.00	sports
10	10	Comedy Show	2026-01-22	19:45:00.00000000	10	500	450	40.00	movie

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

```
select event_name from event where event_name like '%cup%';
```

event_name

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

```
select * from event where ticket_price > 1000 and ticket_price <2500
```

	event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type
1	1	IPL Match	2025-04-15	18:30:00.00000000	1	50000	45000	2000.00	sports
2	2	Bollywood Concert	2025-05-10	19:00:00.00000000	2	6000	5500	1600.00	concert
3	5	Carnatic Music Night	2025-08-05	20:00:00.00000000	5	1000	900	1200.00	concert
4	7	Drama Play	2025-10-25	19:30:00.00000000	7	2000	1800	2400.00	movie
5	8	Coldplay	2025-11-05	20:30:00.00000000	8	800	750	1400.00	concert
6	9	Hockey Tournament	2025-12-18	16:00:00.00000000	9	12000	11500	1200.00	sports

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

```
select * from event where event_date between '2025-01-01' and '2025-06-30';
```

	event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type
1	1	IPL Match	2025-04-15	18:30:00.00000000	1	50000	45000	2000.00	sports
2	2	Bollywood Concert	2025-05-10	19:00:00.00000000	2	6000	5500	1600.00	concert
3	3	Tamil Movie Premiere	2025-06-20	21:00:00.00000000	3	300	250	600.00	movie

--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%';
```

	event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type
1	2	Bollywood Concert	2025-05-10	19:00:00.00000000	2	6000	5500	1600.00	concert

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

```
select * from customer order by customer_id offset 5 rows fetch next 5 rows only;
```

	customer_id	customer_name	email	phone_number
1	6	Neha	neha@example.com	9876543215
2	7	Rohan	rohan@example.com	9876543216
3	8	Kavita	kavita@example.com	9876543217
4	9	Arjun	arjun@example.com	9876543218
5	10	Divya	divya@example.com	9876543219

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

```
select * from booking where num_tickets > 4;
```

	booking_id	customer_id	event_id	num_tickets	total_cost	booking_date
1	6	6	6	5	750.00	2025-03-25 00:00:00.000

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

```
select * from customer where phone_number like '%000'
```

customer_id	customer_name	email	phone_number
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--11. Write a SQL query to retrieve the events in order whose seat capacity more than 15000.

```
select * from event where total_seats>15000;
```

	event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type
1	1	IPL Match	2025-04-15	18:30:00.00000000	1	50000	45000	2000.00	sports
2	6	Cricket Test Match	2025-09-10	14:00:00.00000000	6	40000	38000	3000.00	sports

--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%';
```

	event_id	event_name	event_date	event_time	venue_id	total_seats	available_seats	ticket_price	event_type
1	1	IPL Match	2025-04-15	18:30:00.00000000	1	50000	45000	2000.00	sports
2	2	Bollywood Concert	2025-05-10	19:00:00.00000000	2	6000	5500	1600.00	concert
3	3	Tamil Movie Premiere	2025-06-20	21:00:00.00000000	3	300	250	600.00	movie
4	4	Kabaddi League	2025-07-12	18:00:00.00000000	4	15000	14000	1000.00	sports
5	5	Carnatic Music Night	2025-08-05	20:00:00.00000000	5	1000	900	1200.00	concert
6	6	Cricket Test Match	2025-09-10	14:00:00.00000000	6	40000	38000	3000.00	sports
7	7	Drama Play	2025-10-25	19:30:00.00000000	7	2000	1800	2400.00	movie
8	8	Coldplay	2025-11-05	20:30:00.00000000	8	800	750	1400.00	concert
9	9	Hockey Tournament	2025-12-18	16:00:00.00000000	9	12000	11500	1200.00	sports
10	10	Comedy Show	2026-01-22	19:45:00.00000000	10	500	450	800.00	movie

