Task 2 :

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

**Venue\_Tables:**

insert into Venue\_Tables(venue\_id, venue\_name, address) values (1 , 'Theatre Arena' , ' chennai') , (2 , 'Silver Screen' , 'chennai') , (3 , 'Movie magic' , 'chennai') , (4 ,'Music Venue' , 'chennai') , (5 , 'sound stage' , 'chennai' ) , (6 , 'Classic Fusion' , 'chennai') , (7 , 'Game Stadium' , 'chennai') , (8 , 'Sports Venue' , 'chennai') , (9 , 'playground Arena' , 'chennai') , (10, 'champion field' , 'chennai');

**Event\_Table:**

insert into Event\_Table values ( 201 , 'Avengers The End Game' ,'2025-03-02' , '09:00:00' , 1 , 300 , 300 , 200 , 'Movie' , null) , (203 , 'Fault in our stars' ,'2025-03-05' , '09:00:00' ,3, 200 ,200, 250 , 'Movie' , null) , (204 , 'Folk' , '2025-03-06' , '10:00:00' , 4 , 400 , 400 , 150 , 'Concert' , null ) ,(205 , 'Melody Evening' , '2025-03-08' , '17:00:00' , 5 , 300 , 300 , 250 , 'Concert' , null) , (206 , 'Rythm Party' , '2025-03-09' , '16:00:00' , 6 , 250 , 250 , 150 , 'Concert',null ) , (207 , 'Basket Ball' , '2025-03-08' , '13:00:00' , 7 , 400 , 400, 350 , 'Sports',null ), (208 , 'Fun Run Challenge' , '2025-03-09' , '13:00:00' , 8 , 500 , 500, 300, 'Sports' , null ) , (209 , 'Cricket' , '2025-03-10' , '13:00:00' , 9 , 1000 , 100, 600, 'Sports' , null ) , (210 , 'Football' , '2025-03-11' , '10:00:00' , 10 , 500 , 500, 300, 'Sports' , null);

**Customer\_Table:**

insert Customer\_Table values (301 , 'priya' , 'priya12@gamil.com' , 34556780, null ), (302 , 'preethi' , 'preethi12@gamil.com' , 34556450,null) , (303, 'ram' , 'ram12@gamil.com' , 3458975,null) , (304 , 'raghul' ,' raghul23@gmail.com' , 4568975,null) ,(305 , 'raj' ,' rajl23@gmail.com' , 4568764,null),(306 , 'ramya' ,' ramya233@gmail.com' , 2345987,null) , (307 , 'anjali' ,' anjali3@gmail.com' , 3455782,null),(308 , 'harish' ,' harish33@gmail.com' , 558462076,null) , (309 , 'arjun' ,' arjun3@gmail.com' , 54638262,null), (310 , 'ramesh' ,' ramesh33@gmail.com' , 5584658,null);

**Booking\_Table:**

insert into BOOKING\_Table values (401 , 301 , 201 , 1 ,1000, '2025-02-20') , (402 , 302 , 202 , 2 , 4000, '2025-02-21'), (403 , 303 , 203 , 3 , 12000 , '2025-02-21') , (404 , 304 , 204 , 1 , 6000 , '2025-02-21') , (405 , 305 , 205 , 4 , 6000, '2025-02-22') , (406 , 306 , 206 , 2 , 6000 , '2025-02-23') , (407 , 307 , 207 , 1 , 2500 , '2025-02-26') , (408 , 308 , 208 , 5 , 17500 , '2025-02-28') , (409 , 309 , 209 , 1 ,500 , '2025-02-28') , (410 , 310 , 210 , 2 , 9000, '2025-02-27');

update Event\_Table set booking\_id = case when event\_id = 201 then 401 when event\_id = 202 then 402 when event\_id = 203 then 403 when event\_id = 204 then 404 when event\_id = 205 then 405 when event\_id = 206 then 406 when event\_id = 207 then 407 when event\_id = 208 then 408 when event\_id = 209 then 409 when event\_id = 210 then 410 else booking\_id end where booking\_id is null;

update Customer\_Table set booking\_id = case when customer\_id = 301 then 401 when customer\_id = 302 then 402 when customer\_id = 303 then 403 when customer\_id = 304 then 404 when customer\_id = 305 then 405 when customer\_id = 306 then 406 when customer\_id = 307 then 407 when customer\_id = 308 then 408 when customer\_id = 309 then 409 when customer\_id = 310 then

1. **Write a SQL query to list all Events**

**select \* from Event\_Table**;

+----------+-----------------------+------------+------------+----------+-------------+-----------------+--------------+------------+------------+

| event\_id | event\_name | event\_date | event\_time | venue\_id | total\_seats | available\_seats | ticket\_price | event\_type | booking\_id |

+----------+-----------------------+------------+------------+----------+-------------+-----------------+--------------+------------+------------+

| 201 | Avengers The End Game | 2025-03-02 | 09:00:00 | 1 | 300 | 300 | 1000.00 | Movie | 401 |

| 202 | Interstellar | 2025-03-04 | 09:00:00 | 2 | 300 | 300 | 2000.00 | Movie | 402 |

| 203 | Fault in our stars | 2025-03-05 | 09:00:00 | 3 | 200 | 200 | 4000.00 | Movie | 403 |

| 204 | Folk | 2025-03-06 | 10:00:00 | 4 | 400 | 400 | 6000.00 | Concert | 404 |

| 205 | Melody Evening | 2025-03-08 | 17:00:00 | 5 | 300 | 300 | 1500.00 | Concert | 405 |

| 206 | Rythm Party | 2025-03-09 | 16:00:00 | 6 | 250 | 250 | 3000.00 | Concert | 406 |

| 207 | Basket Ball | 2025-03-08 | 13:00:00 | 7 | 400 | 400 | 2500.00 | Sports | 407 |

| 208 | Fun Run Challenge | 2025-03-09 | 13:00:00 | 8 | 500 | 500 | 3500.00 | Sports | 408 |

| 209 | Cricket | 2025-03-10 | 13:00:00 | 9 | 1000 | 100 | 500.00 | Sports | 409 |

| 210 | Football | 2025-03-11 | 10:00:00 | 10 | 500 | 500 | 4500.00 | Sports | 410 |

+----------+-----------------------+------------+-----------

1. **Write a SQL query to select events with available tickets.**

select event\_name , available\_seats from Event\_Table where available\_seats > 0;

+-----------------------+-----------------+

| event\_name | available\_seats |

+-----------------------+-----------------+

| Avengers The End Game | 300 |

| Interstellar | 300 |

| Fault in our stars | 200 |

| Folk | 400 |

| Melody Evening | 300 |

| Rythm Party | 250 |

| Basket Ball | 400 |

| Fun Run Challenge | 500 |

| Cricket | 100 |

| Football | 500 |

+-----------------------+-----------------+

1. **Write a SQL query to select events name partial match with ‘cup’.**

select event\_name from Event\_Table where event\_name LIKE '%CUP%';

Empty set (0.00 sec)

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

select event\_name from Event\_Table where ticket\_price BETWEEN 1000 AND 2500;

+-----------------------+

| event\_name |

+-----------------------+

| Avengers The End Game |

| Interstellar |

| Melody Evening |

| Basket Ball |

+-----------------------+

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

select event\_date from Event\_Table where event\_date BETWEEN '2025-03-01' AND '2025-03-20' ;

+------------+

| event\_date |

+------------+

| 2025-03-02 |

| 2025-03-04 |

| 2025-03-05 |

| 2025-03-06 |

| 2025-03-08 |

| 2025-03-09 |

| 2025-03-08 |

| 2025-03-09 |

| 2025-03-10 |

| 2025-03-11

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

select event\_name , available\_seats from Event\_Table where available\_seats > 0 AND event\_type = 'Concert';

+----------------+-----------------+

| event\_name | available\_seats |

+----------------+-----------------+

| Folk | 400 |

| Melody Evening | 300 |

| Rythm Party | 250 |

+----------------+-----------------+

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

select \* from Customer\_Table LIMIT 5 OFFSET 5;

+-------------+---------------+---------------------+--------------+------------+

| customer\_id | customer\_name | email | phone\_number | booking\_id |

+-------------+---------------+---------------------+--------------+------------+

| 306 | ramya | ramya233@gmail.com | 2345987 | 406 |

| 307 | anjali | anjali3@gmail.com | 3455782 | 407 |

| 308 | harish | harish33@gmail.com | 558462076 | 408 |

| 309 | arjun | arjun3@gmail.com | 54638262 | 409 |

| 310 | ramesh | ramesh33@gmail.com | 5584658 | 410 |

+-------------+---------------+---------------------+--------------+------------+

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

select \* from Booking\_Table where num\_tickets > 4;

+------------+-------------+----------+-------------+------------+--------------+

| booking\_id | customer\_id | event\_id | num\_tickets | total\_cost | booking\_date |

+------------+-------------+----------+-------------+------------+--------------+

| 408 | 308 | 208 | 5 | 17500.00 | 2025-02-28 |

+------------+-------------+----------+-------------+------------+--------------+

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

select \* from Customer\_Table where phone\_number LIKE '%0000';

Empty set (0.00 sec).

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

select event\_name , total\_seats from Event\_Table where total\_seats > 15000 ORDER BY total\_seats desc;

Empty set (0.00 sec)

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

select event\_name from Event\_Table where event\_name NOT LIKE 'x%' 'y%' 'z%' ;

+-----------------------+

| event\_name |

+-----------------------+

| Avengers The End Game |

| Interstellar |

| Fault in our stars |

| Folk |

| Melody Evening |

| Rythm Party |

| Basket Ball |

| Fun Run Challenge |

| Cricket |

| Football |