DBMS

ASSIGNMENT 3

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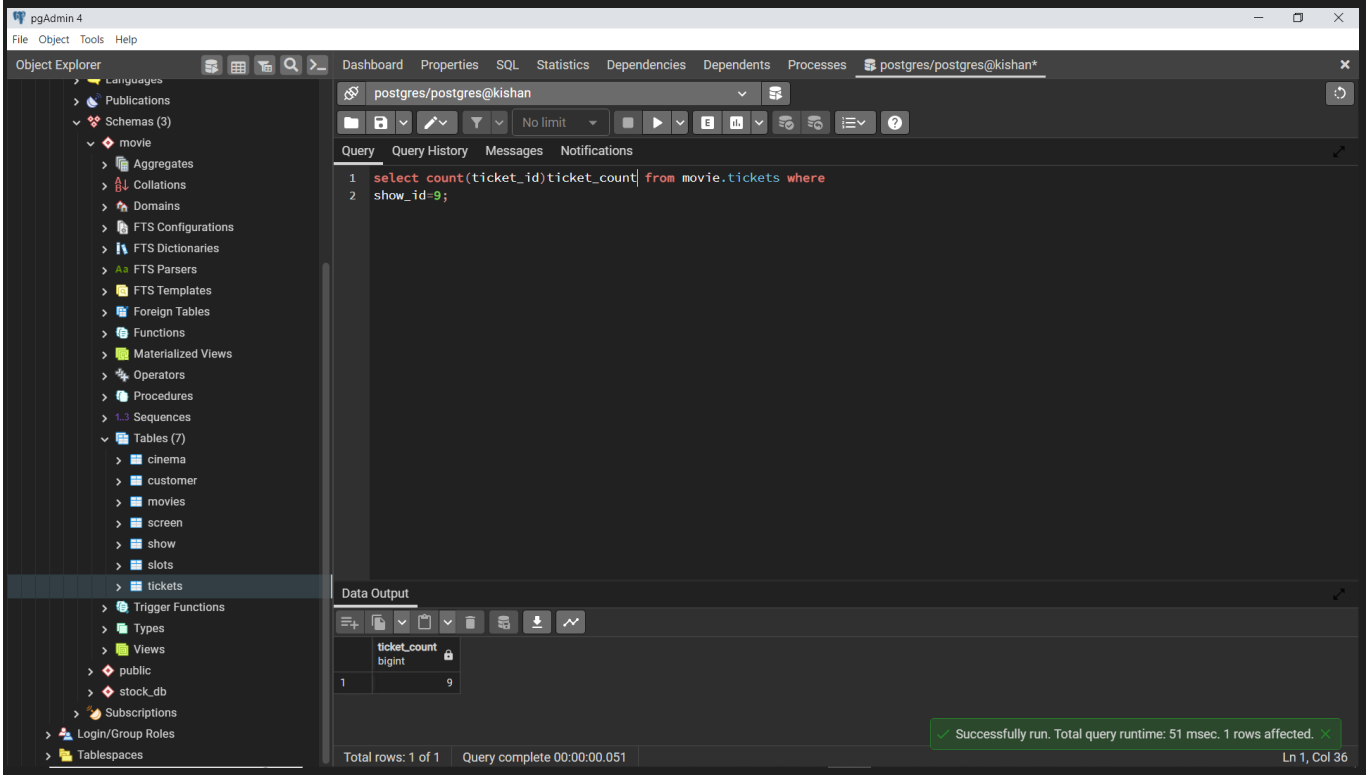
Student ID: 202312014

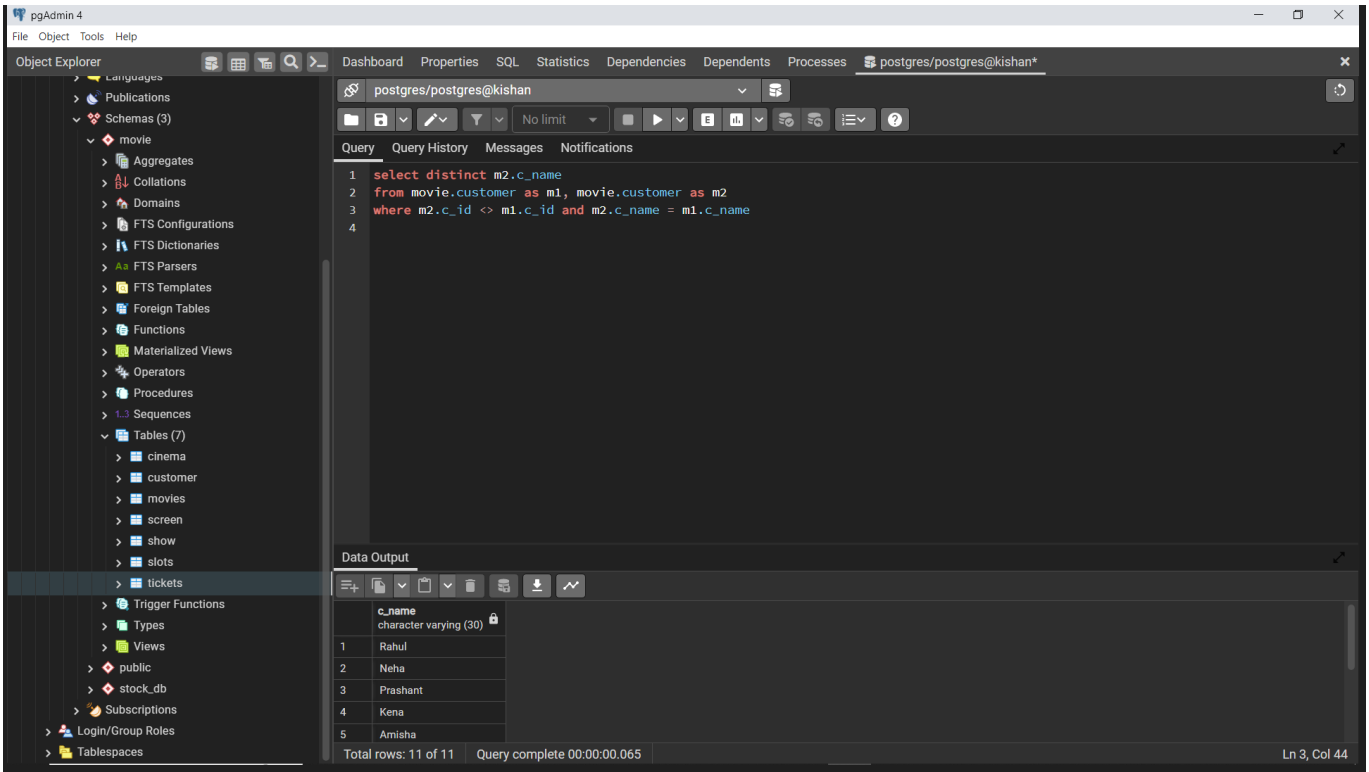
11)

```
select count(ticket_id)ticket_count from movie.tickets where
show_id=9;
```



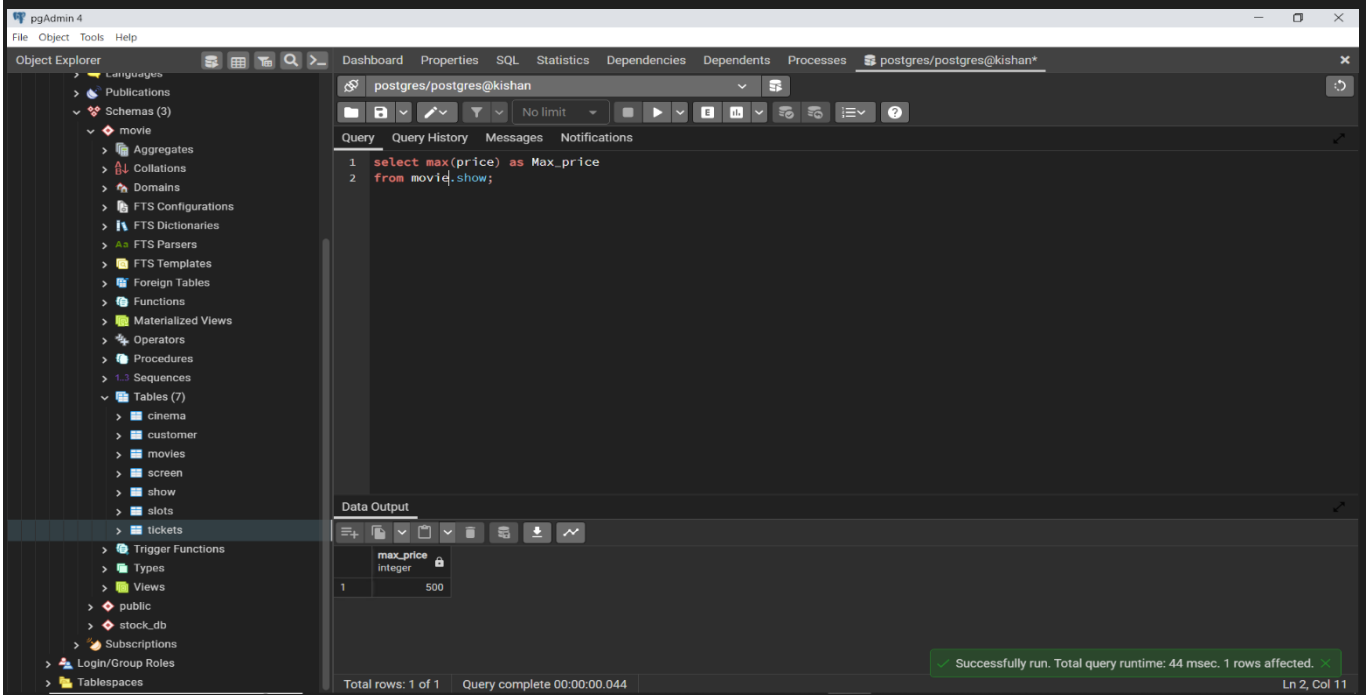
12)

```
select distinct m2.c_name
from movie.customer as m1, movie.customer as m2
where m2.c_id <> m1.c_id and m2.c_name = m1.c_name
```



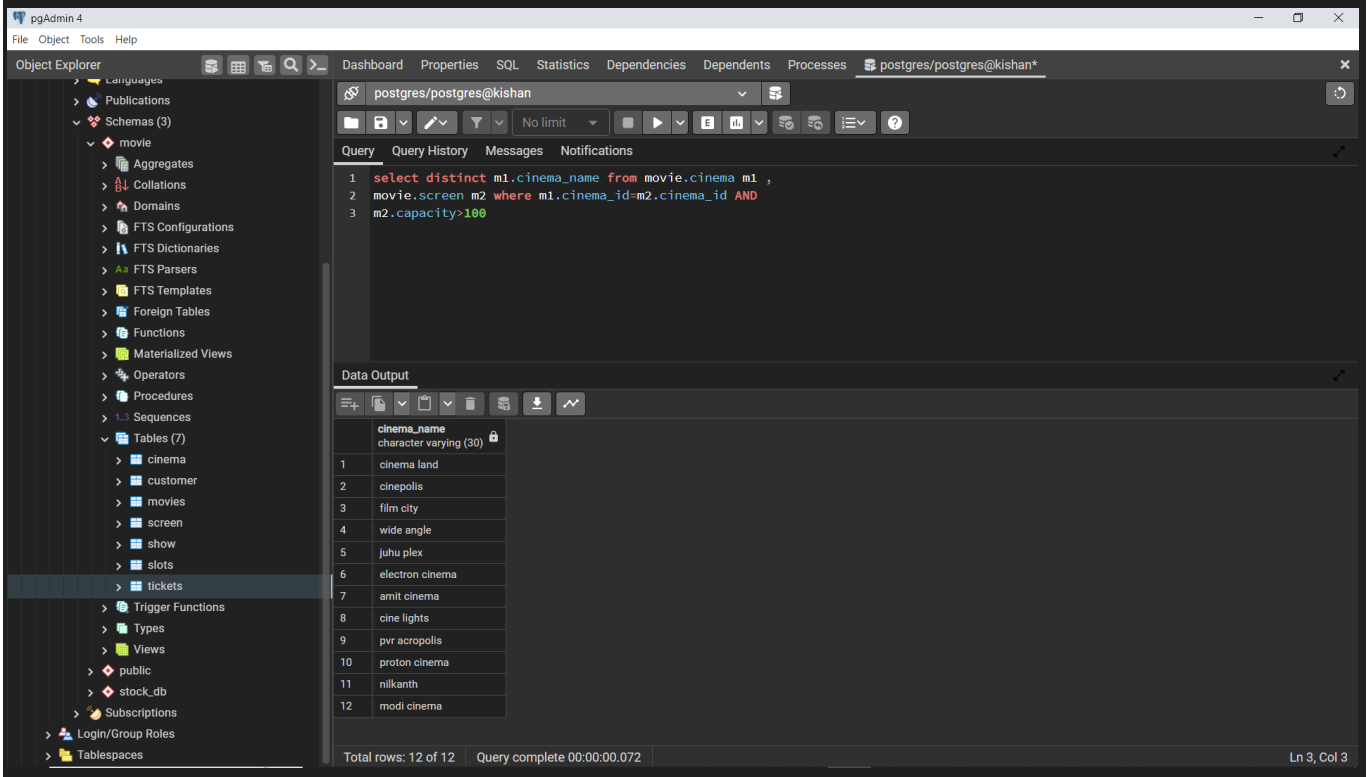
13)

```
select max(price) as Max_price
from movie.show;
```



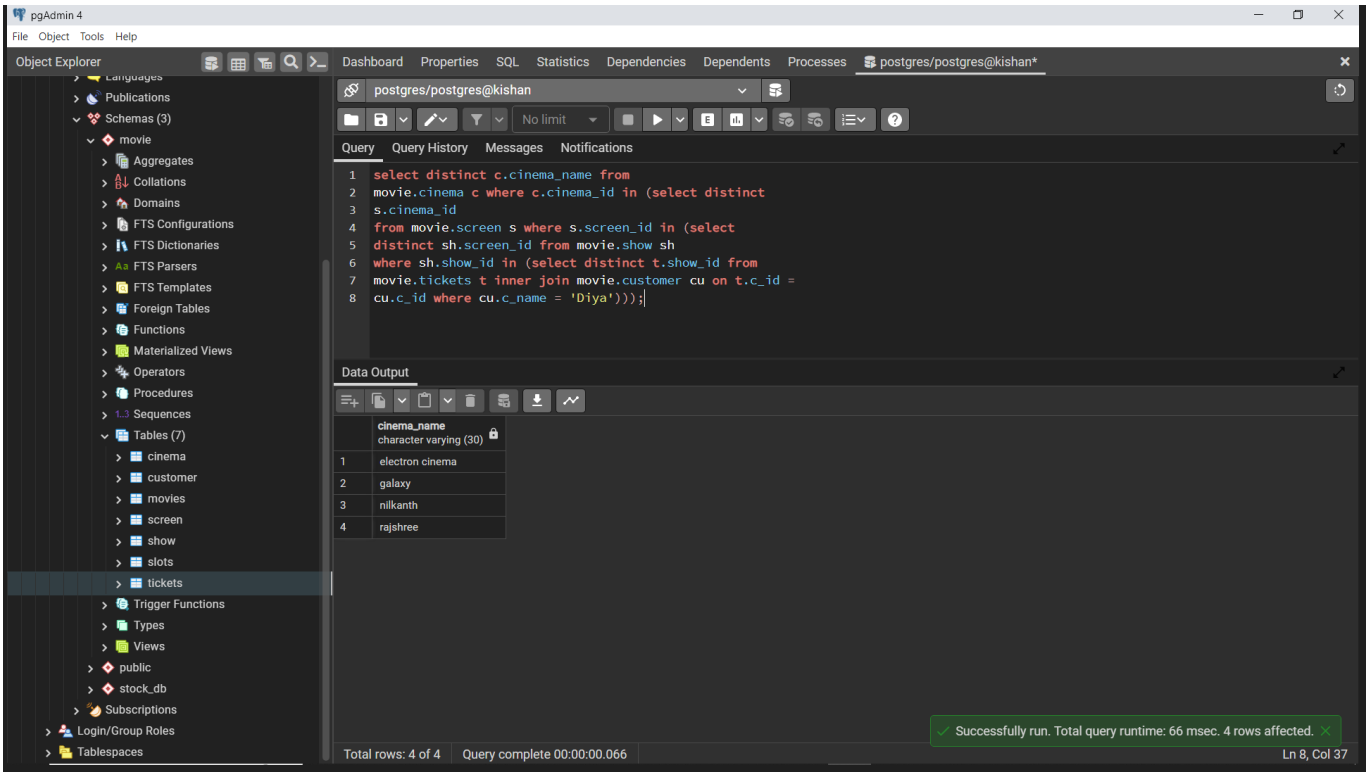
14)

```
select distinct m1.cinema_name from movie.cinema m1 ,
movie.screen m2 where m1.cinema_id=m2.cinema_id AND
m2.capacity>100
```



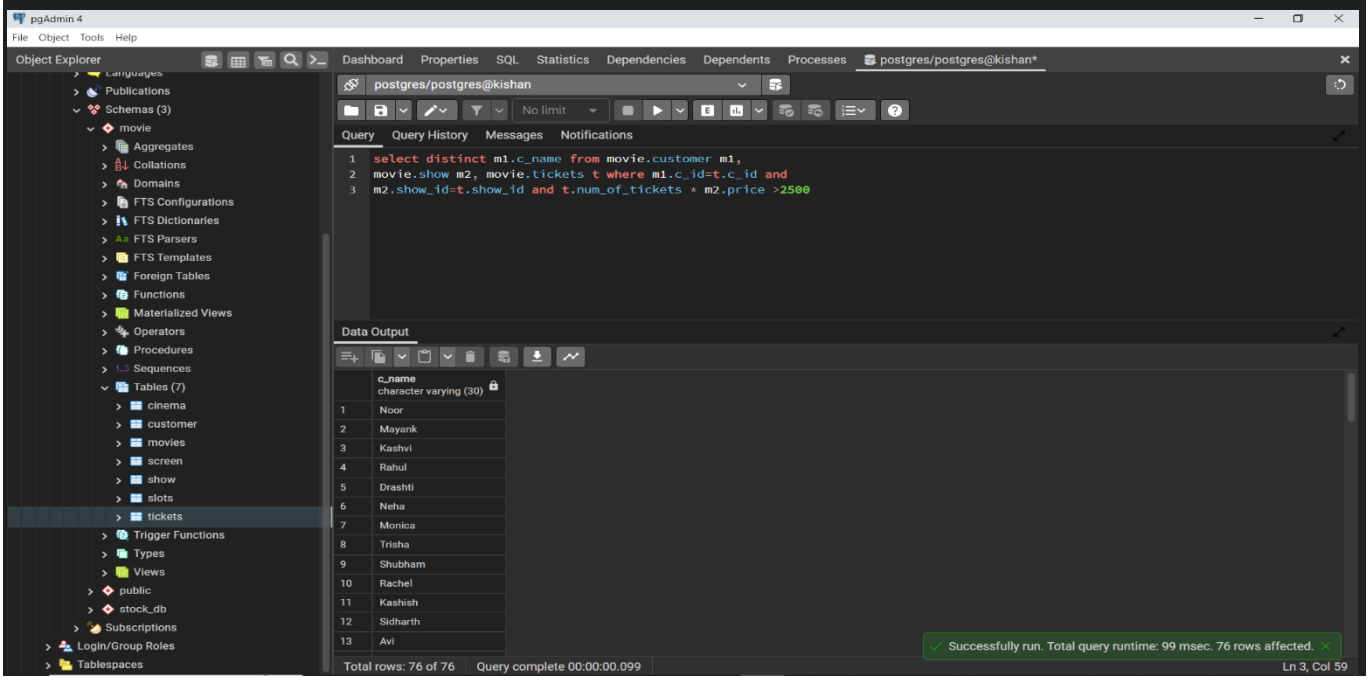
15)

```
select distinct c.cinema_name from
movie.cinema c where c.cinema_id in (select distinct
s.cinema_id
from movie.screen s where s.screen_id in (select
distinct sh.screen_id from movie.show sh
where sh.show_id in (select distinct t.show_id from
movie.tickets t inner join movie.customer cu on t.c_id =
cu.c_id where cu.c_name = 'Diya')));
```



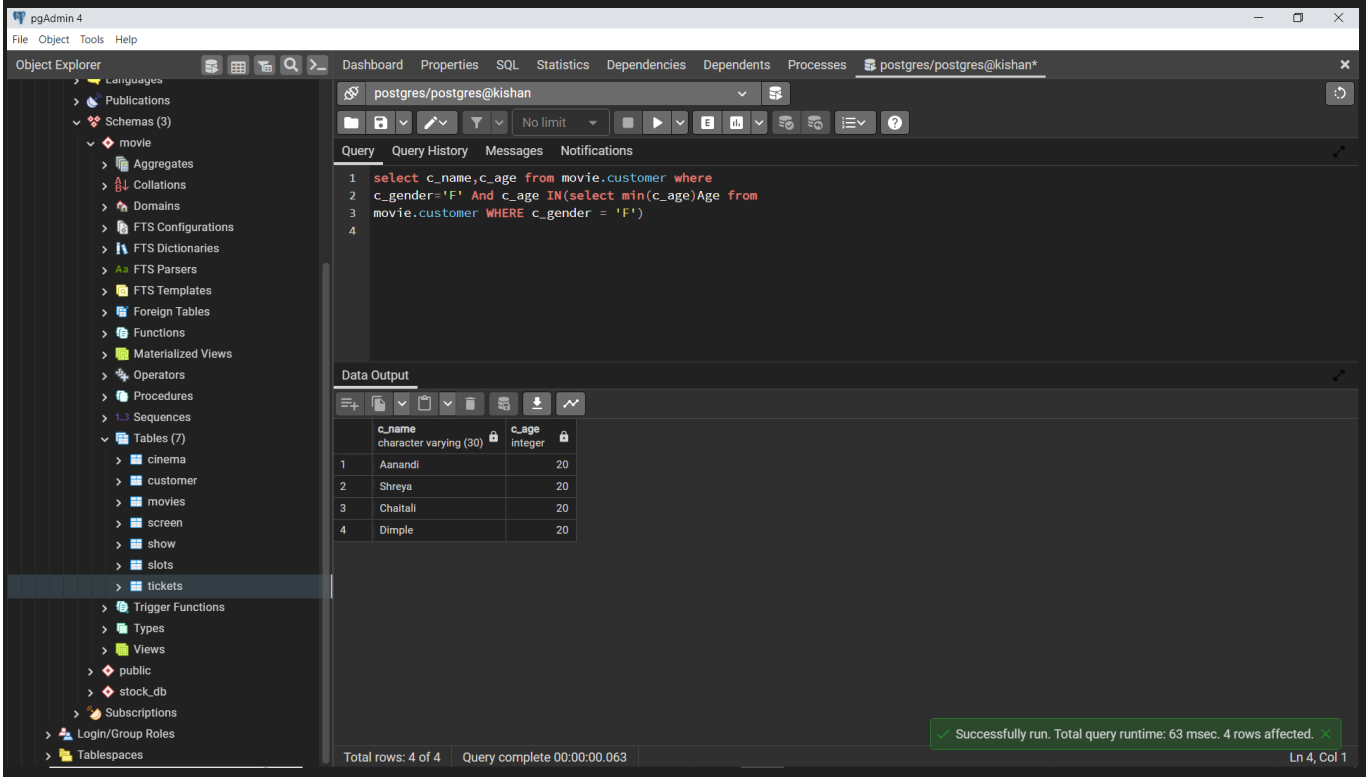
16)

```
select distinct m1.c_name from movie.customer m1,
movie.show m2, movie.tickets t where m1.c_id=t.c_id and
m2.show_id=t.show_id and t.num_of_tickets * m2.price >2500
```



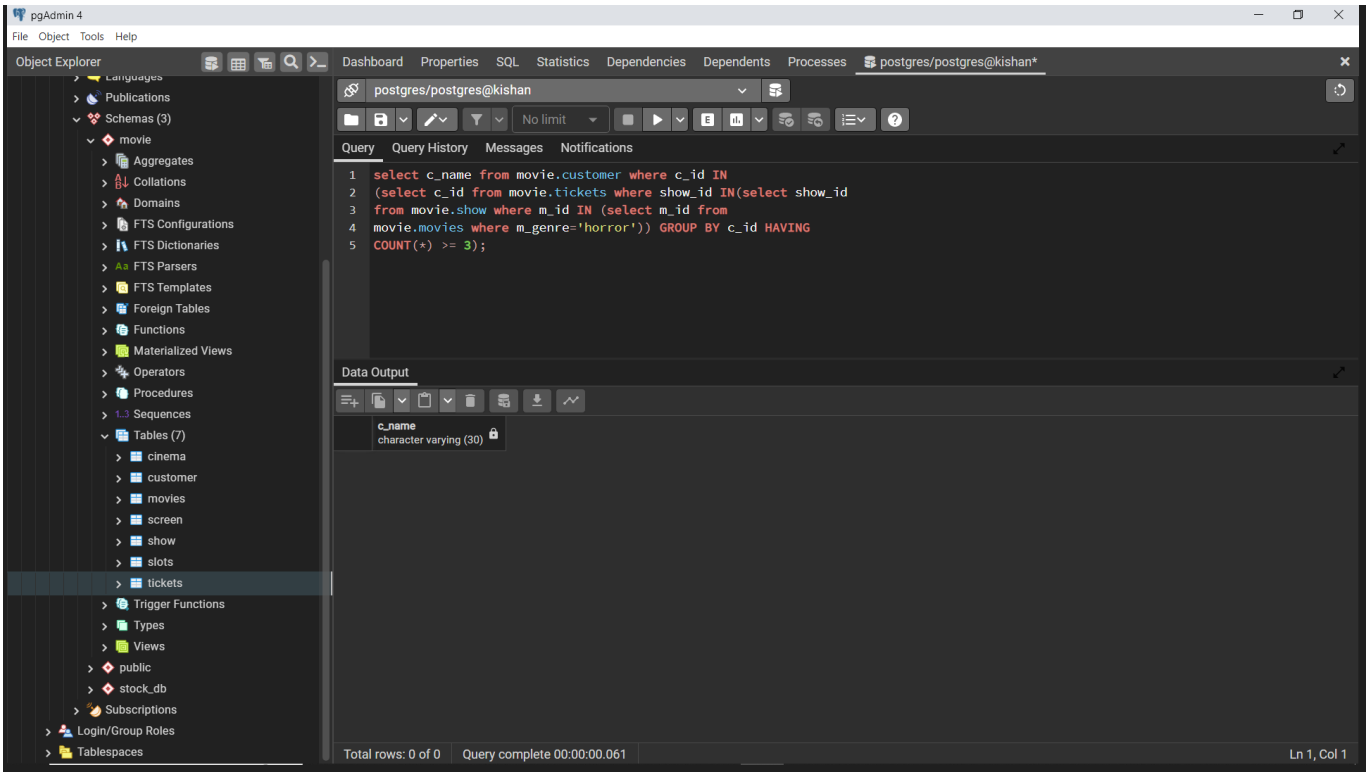
17)

```
select c_name,c_age from movie.customer where
c_gender='F' And c_age IN(select min(c_age)Age from
movie.customer WHERE c_gender = 'F')
```



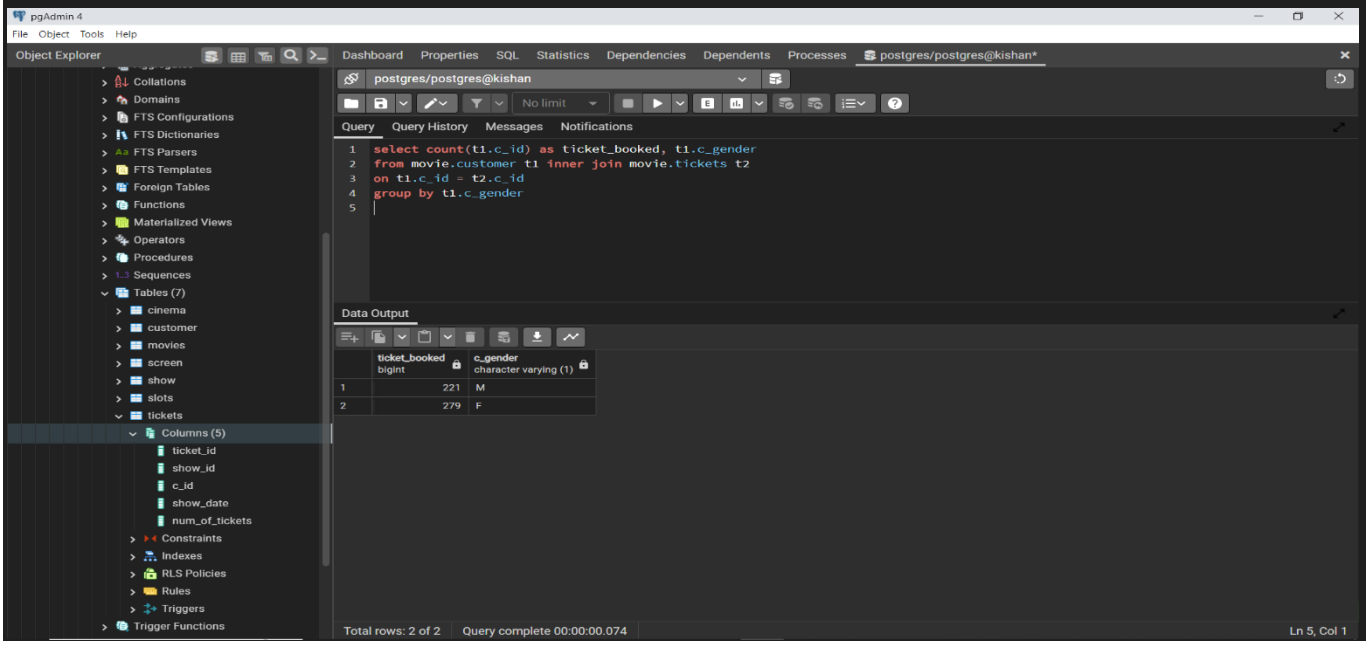
18)

```
select c_name from movie.customer where c_id IN
(select c_id from movie.tickets where show_id IN(select show_id
from movie.show where m_id IN (select m_id from
movie.movies where m_genre='horror')) GROUP BY c_id HAVING
COUNT(*) >= 3);
```



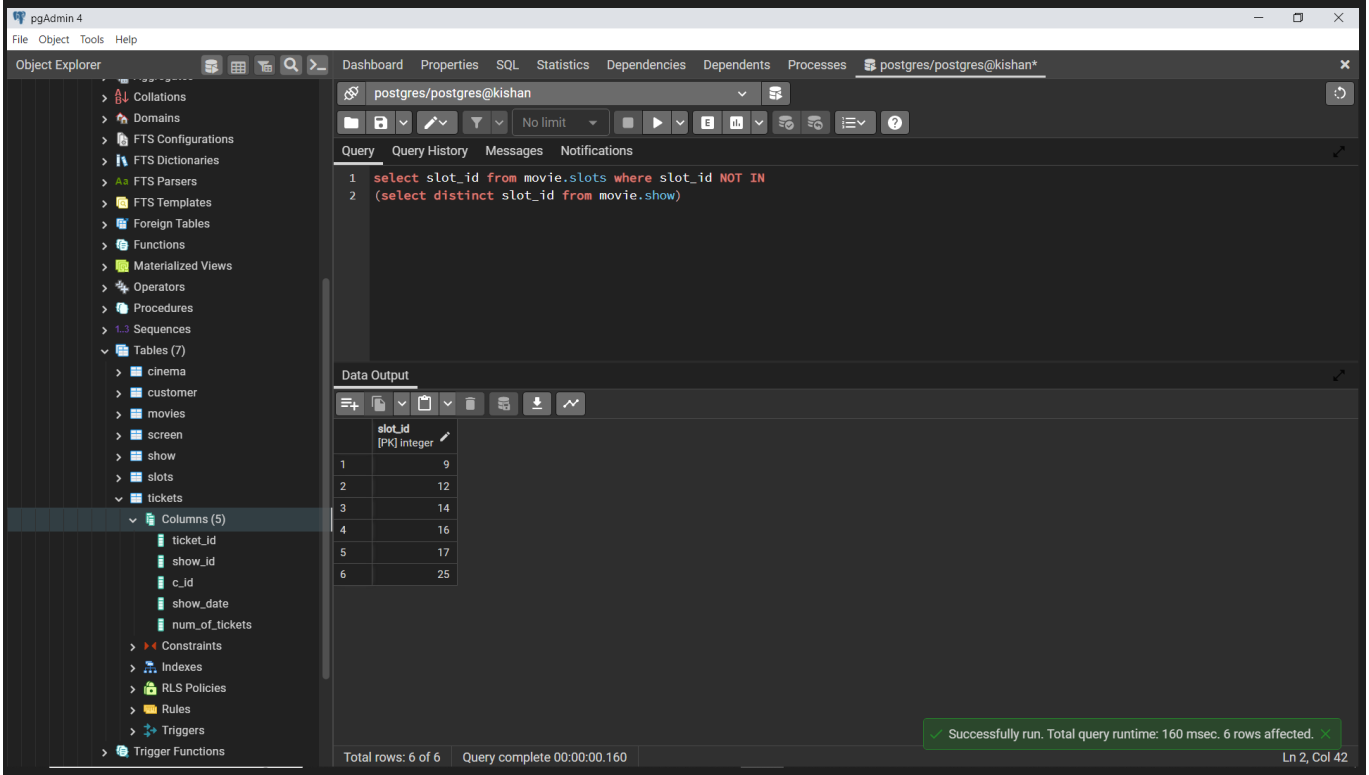
19)

```
select count(t1.c_id) as ticket_booked, t1.c_gender
from movie.customer t1 inner join movie.tickets t2
on t1.c_id = t2.c_id
group by t1.c_gender
```



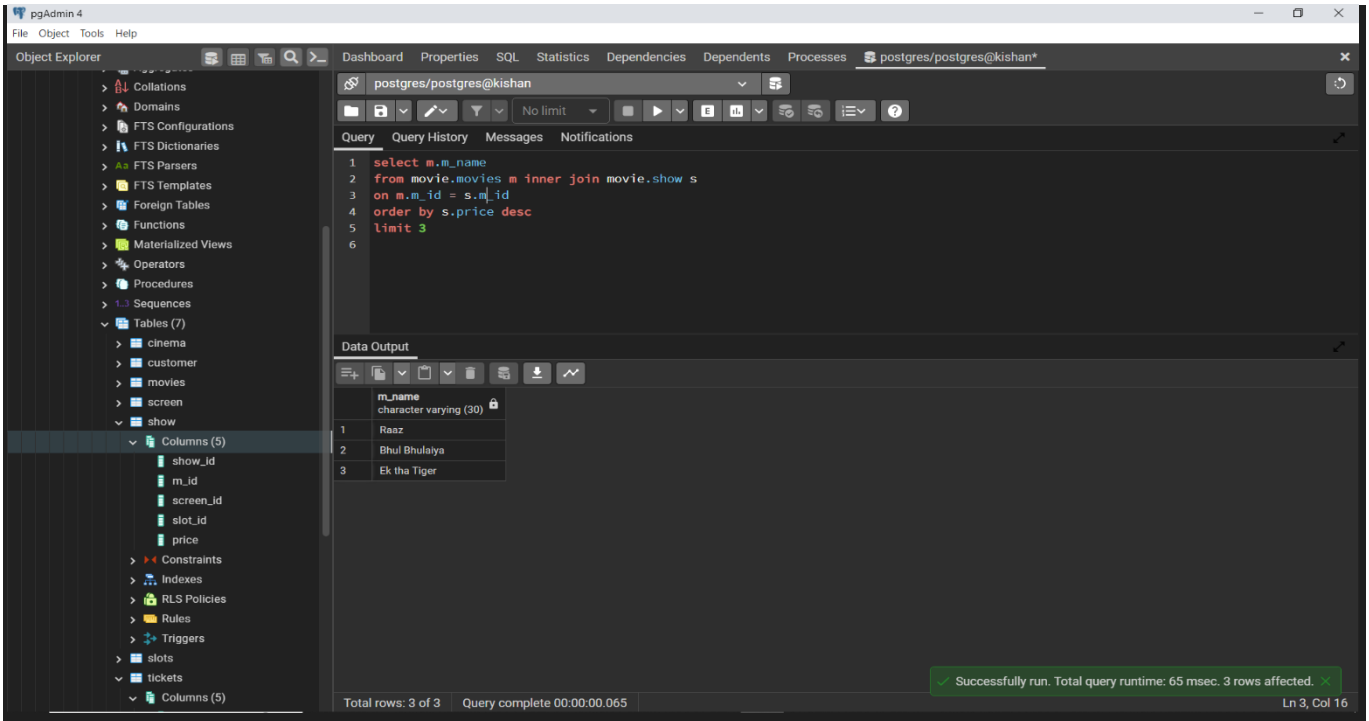
20)

```
select slot_id from movie.slots where slot_id NOT IN
(select distinct slot_id from movie.show)
```



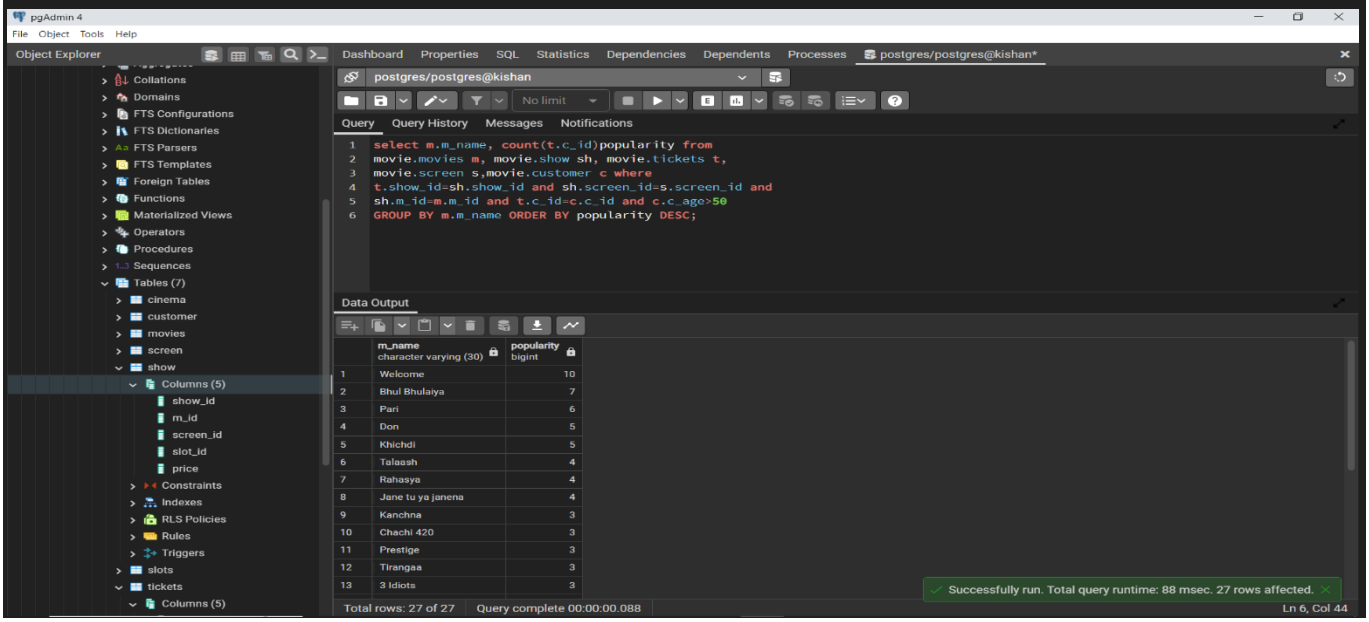
21)

```
select m.m_name
from movie.movies m inner join movie.show s
on m.m_id = s.m_id
order by s.price desc
limit 3
```



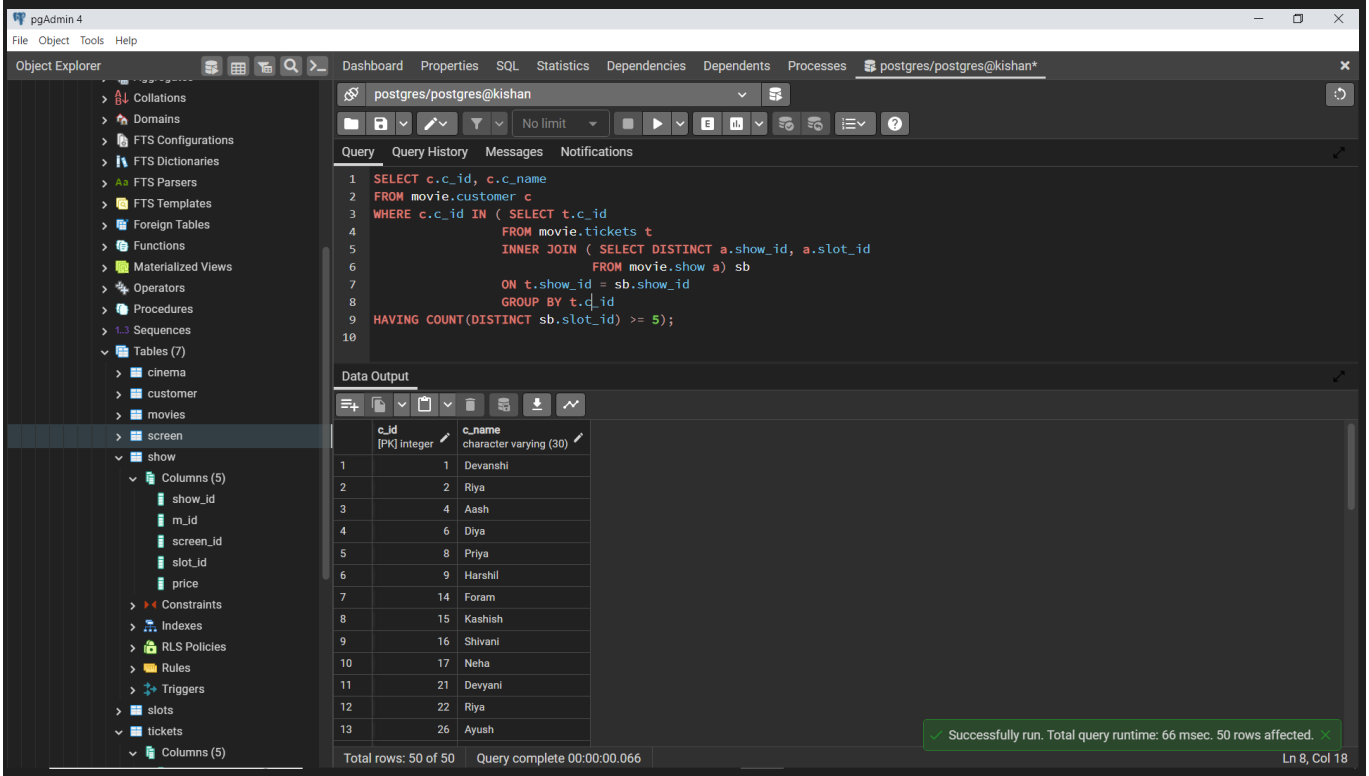
22)

```
select m.m_name, count(t.c_id)popularity from
movie.movies m, movie.show sh, movie.tickets t,
movie.screen s,movie.customer c where
t.show_id=sh.show_id and sh.screen_id=s.screen_id and
sh.m_id=m.m_id and t.c_id=c.c_id and c.c_age>50
GROUP BY m.m_name ORDER BY popularity DESC;
```



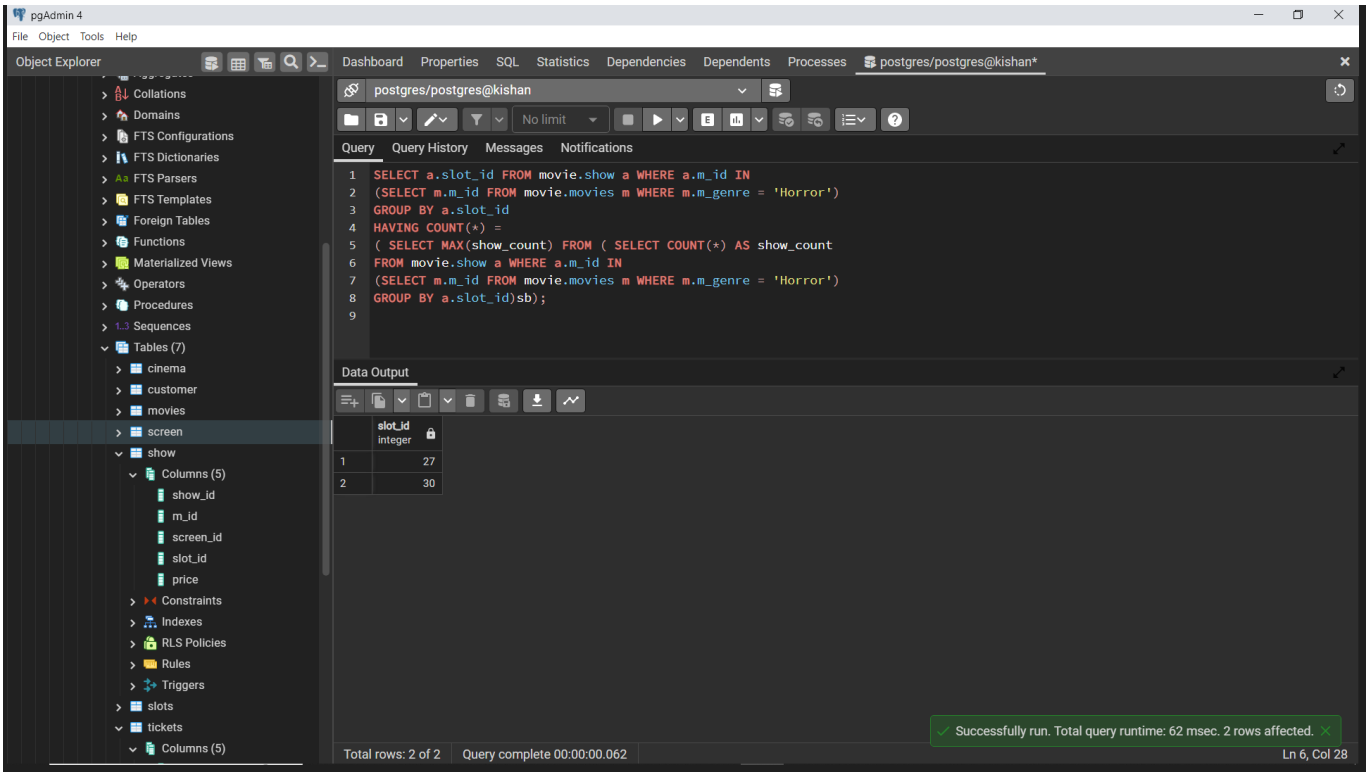
23)

```sql
SELECT c.c_id, c.c_name
FROM movie.customer c
WHERE c.c_id IN ( SELECT t.c_id
                  FROM movie.tickets t
                  INNER JOIN ( SELECT DISTINCT a.show_id, a.slot_id
                               FROM movie.show a) sb
                  ON t.show_id = sb.show_id
                  GROUP BY t.c_id
HAVING COUNT(DISTINCT sb.slot_id) >= 5);
```



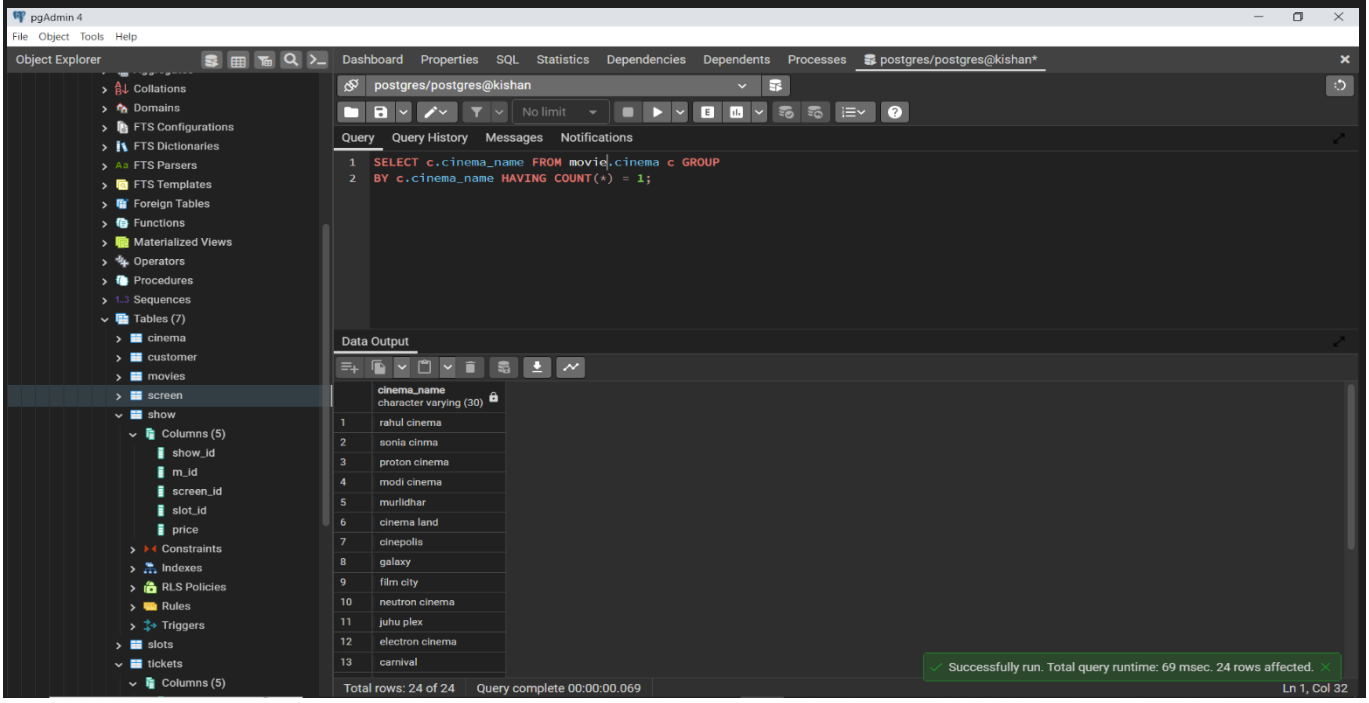
24)

```sql
SELECT a.slot_id FROM movie.show a WHERE a.m_id IN
(SELECT m.m_id FROM movie.movies m WHERE m.m_genre = 'Horror')
GROUP BY a.slot_id
HAVING COUNT(*) =
( SELECT MAX(show_count) FROM ( SELECT COUNT(*) AS show_count
FROM movie.show a WHERE a.m_id IN
(SELECT m.m_id FROM movie.movies m WHERE m.m_genre = 'Horror')
GROUP BY a.slot_id)sb);
```



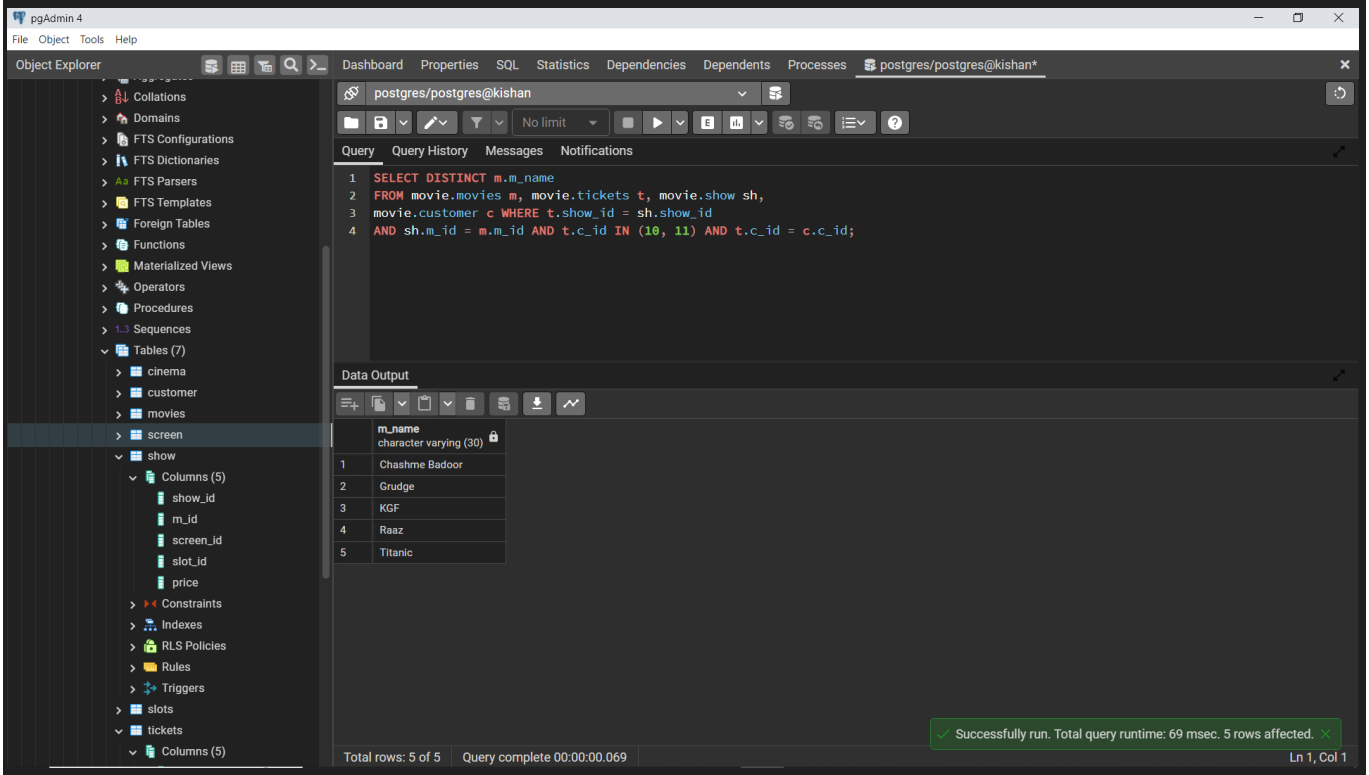
25)

```
SELECT c.cinema_name FROM movie.cinema c GROUP
BY c.cinema_name HAVING COUNT(*) = 1;
```



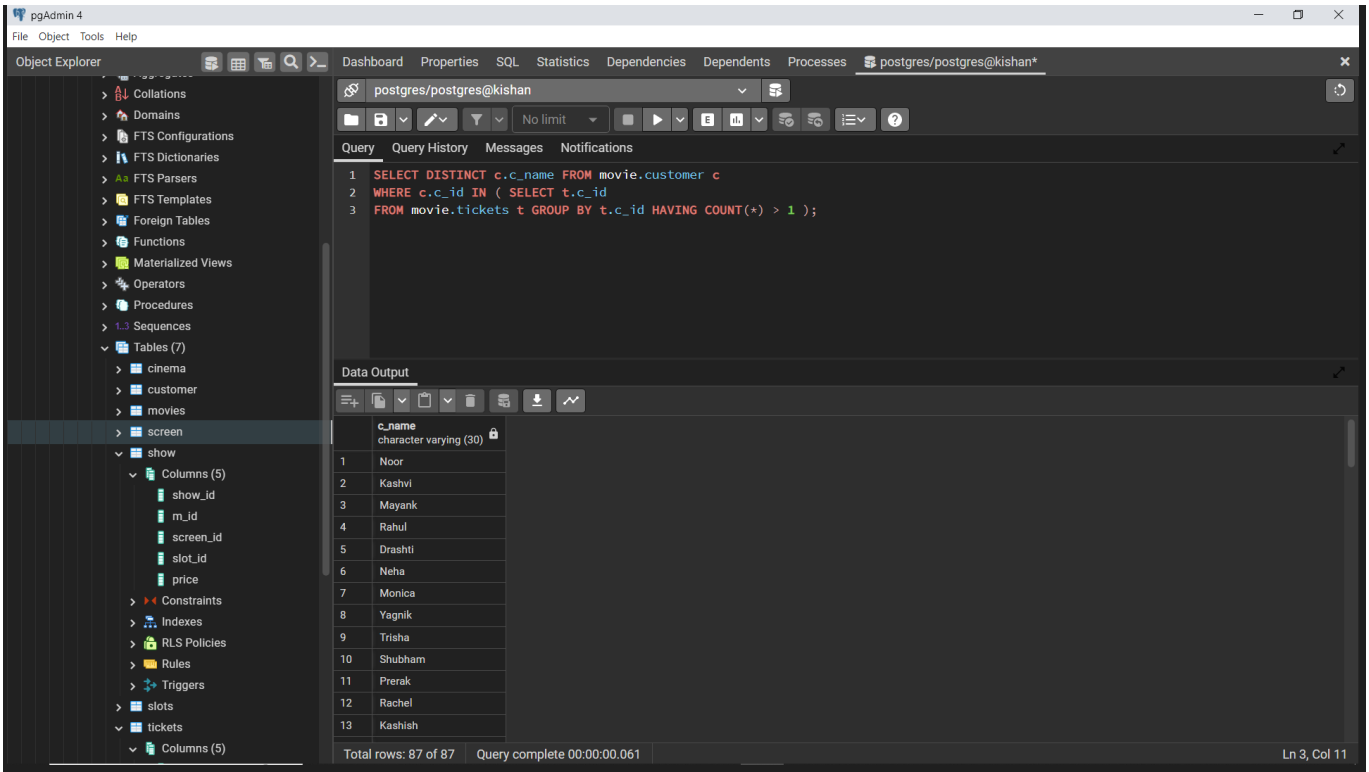
26)

```
SELECT DISTINCT m.m_name
FROM movie.movies m, movie.tickets t, movie.show sh,
movie.customer c WHERE t.show_id = sh.show_id
AND sh.m_id = m.m_id AND t.c_id IN (10, 11) AND t.c_id = c.c_id;
```



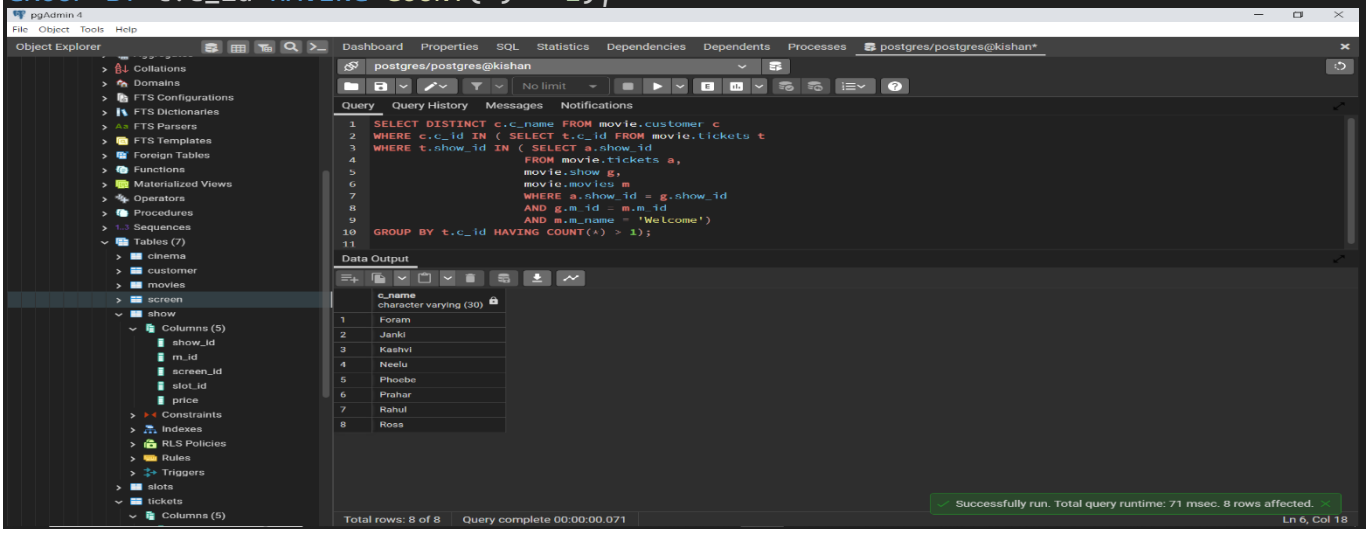
27)

```
SELECT DISTINCT c.c_name FROM movie.customer c
WHERE c.c_id IN ( SELECT t.c_id
FROM movie.tickets t GROUP BY t.c_id HAVING COUNT(*) > 1 );
```



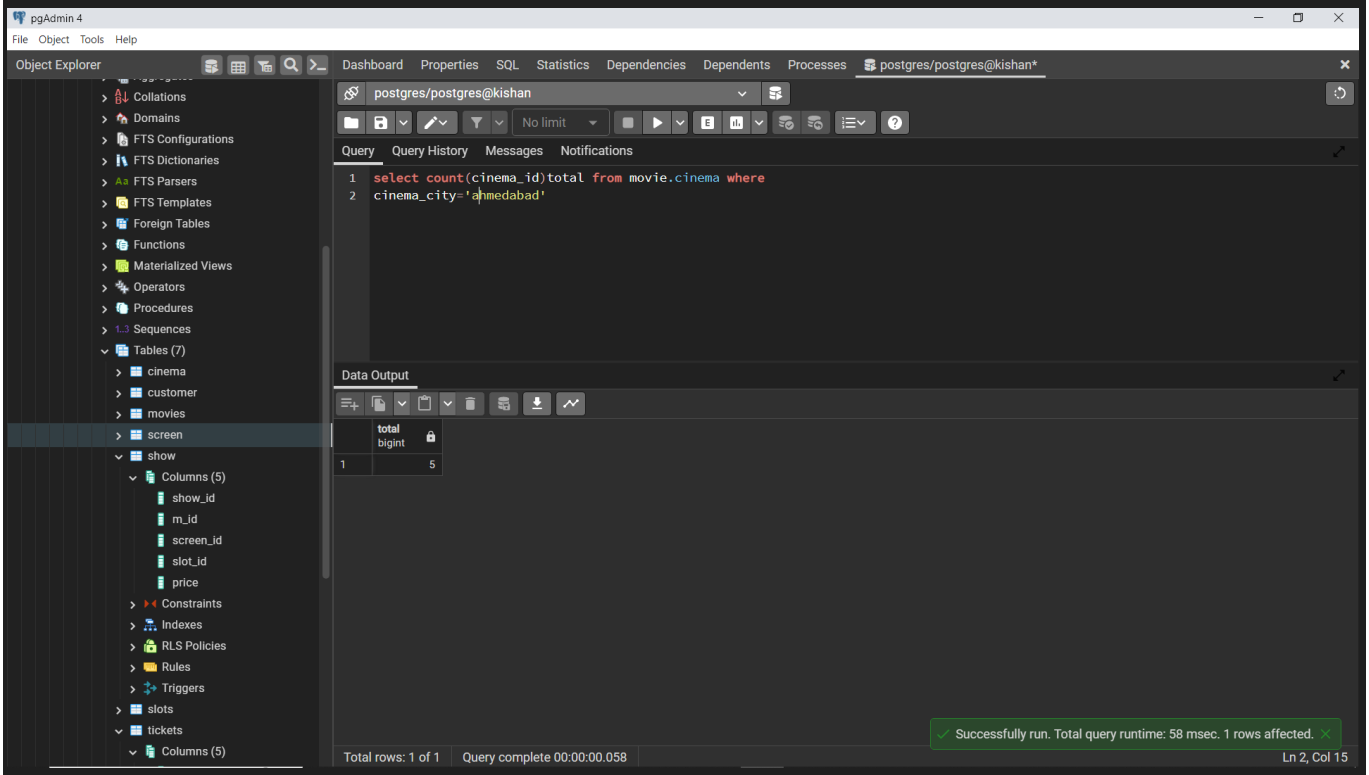
28)

```
SELECT DISTINCT c.c_name FROM movie.customer c
WHERE c.c_id IN ( SELECT t.c_id FROM movie.tickets t
WHERE t.show_id IN ( SELECT a.show_id
                     FROM movie.tickets a,
                     movie.show g,
                     movie.movies m
                     WHERE a.show_id = g.show_id
                     AND g.m_id = m.m_id
                     AND m.m_name = 'Welcome')
GROUP BY t.c_id HAVING COUNT(*) > 1);
```



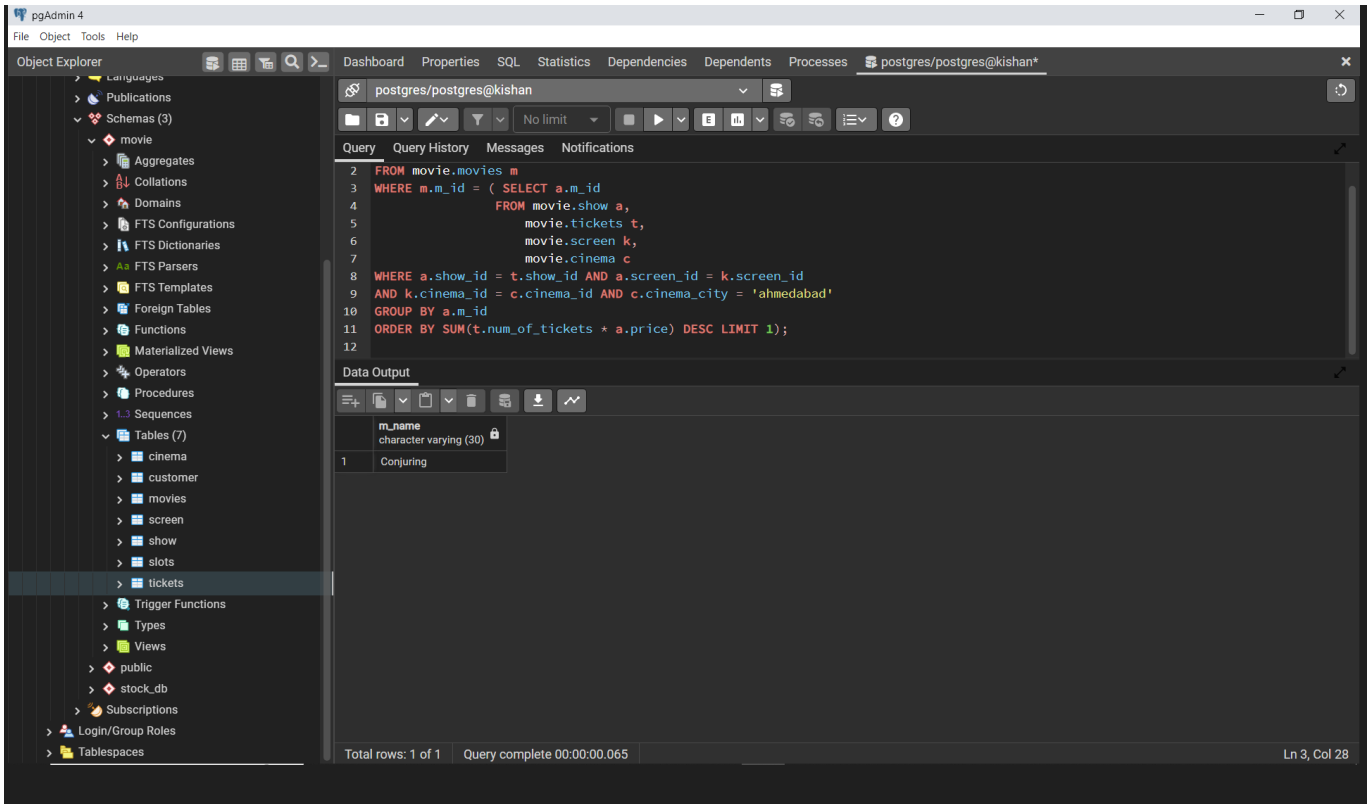
29)

```sql
select count(cinema_id)total from movie.cinema where
cinema_city='ahmedabad'
```



30)

```sql
SELECT m.m_name
FROM movie.movies m
WHERE m.m_id = ( SELECT a.m_id
                 FROM movie.show a,
                     movie.tickets t,
                     movie.screen k,
                     movie.cinema c
WHERE a.show_id = t.show_id AND a.screen_id = k.screen_id
AND k.cinema_id = c.cinema_id AND c.cinema_city = 'ahmedabad'
GROUP BY a.m_id
ORDER BY SUM(t.num_of_tickets * a.price) DESC LIMIT 1);
```


pgAdmin 4
File Object Tools Help
Object Explorer
Dashboard Properties SQL Statistics Dependencies Dependents Processes postgres/postgres@kishan*
postgres/postgres@kishan
No limit
Query Query History Messages Notifications
FROM movie.movies m
WHERE m.m_id = (SELECT a.m_id
FROM movie.show a,
movie.tickets t,
movie.screen k,
movie.cinema c
WHERE a.show_id = t.show_id AND a.screen_id = k.screen_id
AND k.cinema_id = c.cinema_id AND c.cinema_city = 'ahmedabad'
GROUP BY a.m_id
ORDER BY SUM(t.num_of_tickets * a.price) DESC LIMIT 1);
Data Output
m_name
character varying (30)
1
Conjuring
Total rows: 1 of 1
Query complete 00:00:00.065
Ln 3, Col 28
Publications
Schemas (3)
movie
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (7)
cinema
customer
movies
screen
show
slots
tickets
Trigger Functions
Types
Views
public
stock_db
Subscriptions
Login/Group Roles
Tablespaces