MINI-PROJECT-1

NAME: NANCY M
DATE : 14-07-2025

Queries:

1. Write a query to display movie names and number of times that movie is issued to customers. In case movies are never issued to customers display number of times as 0.

Display the details in sorted order based on number of times (in descending order) and then by movie name (in ascending order).

The Alias name for the number of movies issued is ISSUE_COUNT.

```
select m.movie_name ,count(cd.issue_id) as  ISSUE_COUNT

from  MOVIES_MASTER  m left join  CUSTOMER_ISSUE_DETAILS cd

on m.MOVIE_ID = cd.MOVIE_ID

group by m.movie_name

order by ISSUE_COUNT desc , m.movie_name asc;
```

Result Grid | Filter Rows:

movie_name	ISSUE_COUNT
DIE HARD	4
GONE WITH THE WIND	3
CASABLANCA	2
SHAUN OF THE DEAD	2
THE DARK KNIGHT	2
TITANIC	2
INCEPTION	1
THE MATRIX	1
OFFICE SPACE	1
YOUNG FRANKENSTEIN	1
THE NOTEBOOK	0

2. Write a query to display id, name, age, contact no of customers whose age is greater than 25 and who have registered in the year 2012. Display contact no in the below format +91-XXX-XXX-XXXX example +91-987-678-3434 and use the alias name as

"CONTACT_ISD". If the contact no is null then display as 'N/A' Sort all the records in ascending order based on age and then by name.

```
select customer_id, customer_name, age, coalesce(CONCAT('+91-',
        SUBSTRING(contact_no, 1, 3), '-',
        SUBSTRING(contact_no, 4, 3), '-',
        SUBSTRING(contact_no, 7, 4)
 ),'N/A') CONTACT_ISD from customer_master
 where age > 25 and year(DATE_OF_REGISTRATION) = 2012
 order by age asc, customer_name asc;
```

Result Grid | Filter Rows: | Export:

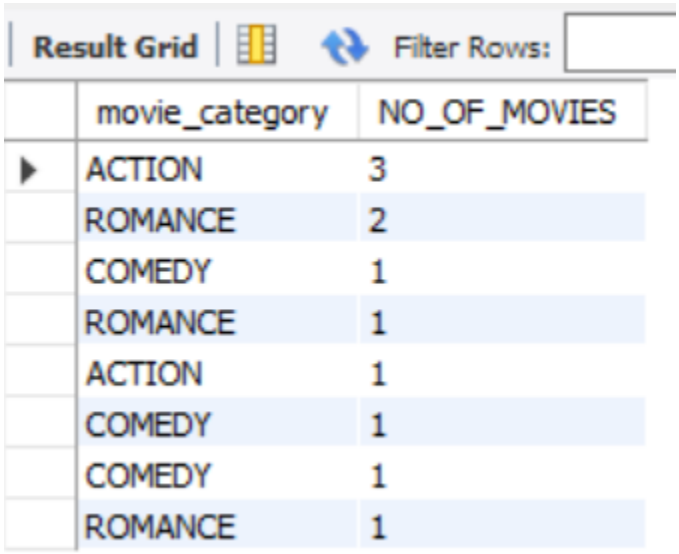
customer_id	customer_name	age	CONTACT_ISD
C00007	GEETHA REDDY	30	+91-897-616-7890
C00005	SHIV PRASAD	30	N/A
C00002	AGNESH	35	+91-892-315-6781
C00004	RAJIB MITRA	45	+91-983-035-6781

3. Write a query to display the movie category and number of movies in that category. Display records based on number of movies from higher to lower order and then by movie category in ascending order.

Hint: Use NO_OF_MOVIES as alias name for number of movies.

```
select  movie_category,count(*) as 'NO_OF_MOVIES'
 from movies_master
 group by MOVIE_CATEGORY
 order by NO_OF_MOVIES desc,
```

MOVIE_CATEGORY asc ;

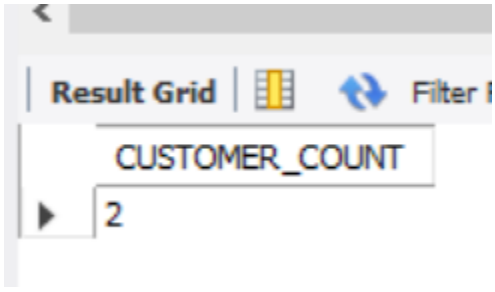


Result Grid | Filter Rows:

movie_category	NO_OF_MOVIES
ACTION	3
ROMANCE	2
COMEDY	1
ROMANCE	1
ACTION	1
COMEDY	1
COMEDY	1
ROMANCE	1

4. Write a query to display the number of customers having card with description “Gold card”. Use CUSTOMER_COUNT as alias name for number of customers.

```
select count(cd.CUSTOMER_ID) as CUSTOMER_COUNT

from customer_card_details cd

join library_card_master cm on cd.CARD_ID=cm.CARD_ID where DESCRIPTION="GOLD
CARD  ";
```



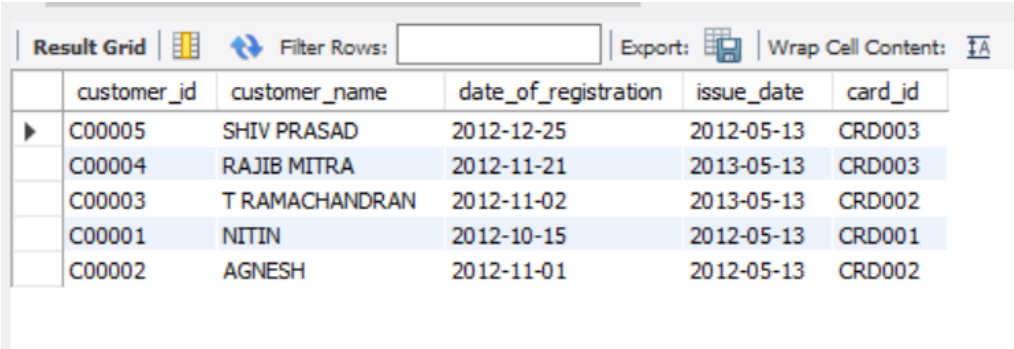
Result Grid | Filter

CUSTOMER_COUNT
2

5. Write a query to display the customer id, customer name, year of registration, library card id, card issue date of all the customers who hold library card. Display the records sorted by customer name in descending order. Use REGISTERED_YEAR as alias name

for year of registration.

```
select cm.customer_id ,cm.customer_name,cm.date_of_registration,cd.issue_date,cd.card_id
from CUSTOMER_MASTER cm inner join CUSTOMER_CARD_DETAILS cd
 ON cm.CUSTOMER_ID = cd.CUSTOMER_ID
 ORDER BY cm.customer_name DESC;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

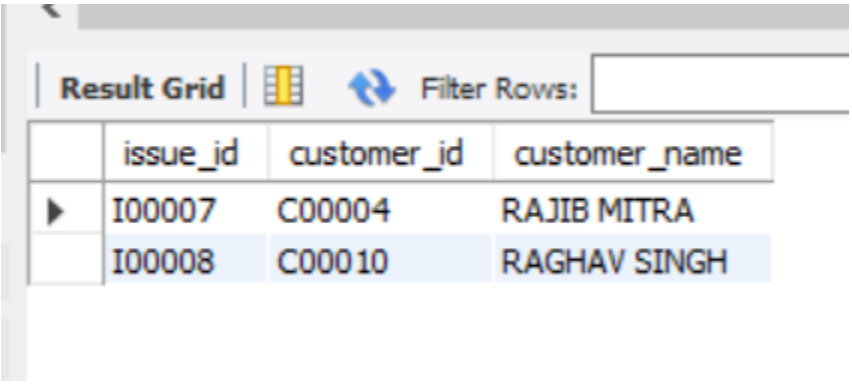
customer_id	customer_name	date_of_registration	issue_date	card_id
C00005	SHIV PRASAD	2012-12-25	2012-05-13	CRD003
C00004	RAJIB MITRA	2012-11-21	2013-05-13	CRD003
C00003	T RAMACHANDRAN	2012-11-02	2013-05-13	CRD002
C00001	NITIN	2012-10-15	2012-05-13	CRD001
C00002	AGNESH	2012-11-01	2012-05-13	CRD002

6. Write a query to display issue id, customer id, customer name for the customers who have paid fine and whose name starts with 'R'. Fine is calculated based on return date and actual date of return. If the date of actual return is after date of return then fine need to be paid by the customer.

Display the records sorted in ascending order based on customer name.

```
select id.issue_id, id.customer_id, cm.customer_name from CUSTOMER_ISSUE_DETAILS id
inner join CUSTOMER_MASTER cm
on id.customer_id=cm.customer_id
where id.actual_date_return>id.return_date
```

and cm.customer_name like "r%";



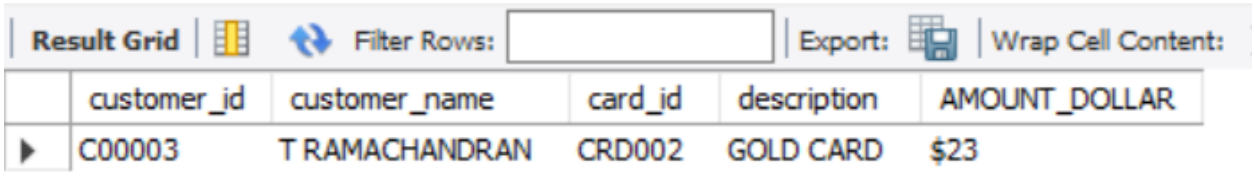
Result Grid | Filter Rows:

issue_id	customer_id	customer_name
I00007	C00004	RAJIB MITRA
I00008	C00010	RAGHAV SINGH

7. Write a query to display customer id, customer name, card id, card description and card amount in dollars of customers who have taken movie on the same day the library card is registered. For Example Assume John registered a library card on 12th Jan 2013 and he took a movie on 12th Jan 2013 then display his details. AMOUNT_DOLLAR = amount/85.8 and round it to zero decimal places and display as $Amount. Example Assume 500 is the amount then dollar value will be $10. Use AMOUNT_DOLLAR as alias name for amount in dollar. Display the records in ascending order based on customer name.

```
select
cm.customer_id,cm.customer_name,d.card_id,description,concat('$',round(l.amount/85.8,0))as
"AMOUNT_DOLLAR"

FROM customer_master cm join customer_card_details d on
cm.CUSTOMER_ID=d.CUSTOMER_ID

join library_card_master l on d.card_id= l.CARD_ID

join customer_issue_details i on cm.customer_id=i.CUSTOMER_ID

where i.ISSUE_DATE= d.ISSUE_DATE
```

order by cm.CUSTOMER_NAME asc;



customer_id	customer_name	card_id	description	AMOUNT_DOLLAR
C00003	T RAMACHANDRAN	CRD002	GOLD CARD	$23

8. Write a query to display the customer name and number of movies issued to that customer sorted by customer name in ascending order. If a customer has not been issued with any movie then display 0. Use MOVIE_COUNT as alias name for number of movies issued.

select cm.customer_name,count(id.issue_date) as MOVIE_COUNT

from CUSTOMER_MASTER cm left join

CUSTOMER_ISSUE_DETAILS id

on id.customer_id=cm.customer_id

group by cm.customer_id

order by cm.customer_name asc;

customer_name	MOVIE_COUNT
AGNESH	3
NITIN	2
T RAMACHANDRAN	8
AJAY GHOSH	0
GEETHA REDDY	0
RAGHAV SINGH	1
RAJ SEKHANRAN	1
RAJAN PILLAI	0
RAJIB MITRA	4
RIA NATRAJAN	0
SHIV PRASAD	0

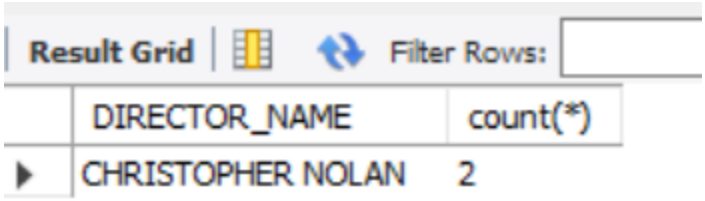
9. Write a query to display the issue id, issue date, customer id, customer name and contact number for videos that are issued in the year 2013.Display the records in descending order based on issue date of the video.

```
select id.issue_id, id.issue_date, cm.customer_id, cm.customer_name ,cm.contact_no
from CUSTOMER_MASTER cm left join CUSTOMER_ISSUE_DETAILS id
on cm.customer_id=id.customer_id
where year(id.ISSUE_DATE) = 2013;
```

issue_id	issue_date	customer_id	customer_name	contact_no
I00004	2013-05-13	C00003	T RAMACHANDRAN	9831289761
I00008	2013-03-02	C00010	RAGHAV SINGH	9675167890
I00009	2013-03-16	C00011	RAJ SEKHANRAN	8423178906
I00012	2013-11-28	C00001	NITIN	9830354218
I00014	2013-01-02	C00003	T RAMACHANDRAN	9831289761
I00015	2013-02-03	C00003	T RAMACHANDRAN	9831289761
I00016	2013-03-05	C00003	T RAMACHANDRAN	9831289761
I00017	2013-04-15	C00003	T RAMACHANDRAN	9831289761

10. Write a query to display the director's name, number of movies directed by the director who directed more than one movie. Display the director name in capital letters. Use DIRECTOR_NAME as alias name for director name column Display the records sorted in ascending order based on director_name.

```
select upper(director) as  DIRECTOR_NAME , count(*)
from MOVIES_MASTER
group by director
having count(*)>1
order by director;
```


Result Grid
Filter Rows:
DIRECTOR_NAME
count(*)
CHRISTOPHER NOLAN
2