

**Dharanesh R (14/07/25)**

**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.**

**Query :** select mm.movie\_name, ifnull(count(cid.issue\_date),0) ISSUE\_COUNT

from movies\_master mm

left join customer\_issue\_details cid on cid.movie\_id = mm.movie\_id

group by mm.movie\_name order by count(cid.issue\_date) desc , mm.movie\_name asc;

	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.**

**Query :** select customer\_id, customer\_name, age, ifnull(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;

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

**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.**

**Query :** select movie\_category, count(movie\_category) NO\_OF\_MOVIES from movies\_master  
group by movie\_category order by count(movie\_category) desc, movie\_category asc;

	movie_category	NO_OF_MOVIES
▶	ACTION	4
	ROMANCE	4
	COMEDY	3

**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.**

**Query :** select count(ccd.customer\_id) CUSTOMER\_COUNT from library\_card\_master lcm  
join customer\_card\_details ccd on ccd.card\_id = lcm.card\_id  
where lcm.description like '%gold card%';

	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.**

**Query :** select cm.customer\_id, cm.customer\_name, year(cm.date\_of\_registration)  
REGISTERED\_YEAR,

ccd.card\_id, ccd.issue\_date

from customer\_master cm join customer\_card\_details ccd

on ccd.customer\_id = cm.customer\_id order by cm.customer\_name desc;

	customer_id	customer_name	REGISTERED_YEAR	card_id	issue_date
▶	C00004	RAJIB MITRA	2012	CRD003	2013-05-13
	C00003	T RAMACHANDRAN	2012	CRD002	2013-05-13
	C00005	SHIV PRASAD	2012	CRD003	2012-05-13
	C00001	NITIN	2012	CRD001	2012-10-15
	C00002	AGNESH	2012	CRD002	2012-05-13

**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.**

**Query :** select cid.issue\_id, cid.customer\_id, cm.customer\_name, cid.return\_date,

cid.actual\_date\_return

from

customer\_master cm join customer\_issue\_details cid on cid.customer\_id = cm.customer\_id

where cm.customer\_name like 'r%' and cid.actual\_date\_return > cid.return\_date

order by cm.customer\_name asc;

	issue_id	customer_id	customer_name	return_date	actual_date_return
▶	I00008	C00010	RAGHAV SINGH	2013-03-04	2013-03-05
	I00007	C00004	RAJIB MITRA	2012-11-23	2012-11-24

**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.**

**Query :** select cm.customer\_id, cm.customer\_name, ccd.card\_id, lcm.description,  
concat('\$',round(lcm.amount/85.4)) AMOUNT\_DOLLAR  
from customer\_card\_details ccd join customer\_master cm on ccd.customer\_id =  
cm.customer\_id  
inner join library\_card\_master lcm on lcm.card\_id = ccd.card\_id  
where ccd.issue\_date = cm.date\_of\_registration;

	customer_id	customer_name	card_id	description	AMOUNT_DOLLAR
▶	C00001	NITIN	CRD001	SILVER CARD	\$12

**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.**

**Query :** select cm.customer\_name, count(cid.customer\_id) MOVIE\_COUNT from  
customer\_master cm left join  
customer\_issue\_details cid on cid.customer\_id = cm.customer\_id  
group by cid.customer\_id,cm.customer\_name  
order by cm.customer\_name asc;

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

**Query :** select cid.issue\_id, cid.issue\_date, cm.customer\_id, cm.customer\_name  
,cm.contact\_no

from customer\_issue\_details cid join customer\_master cm on cid.customer\_id =  
cm.customer\_id

where year(cid.issue\_date)= 2013 order by cid.issue\_date desc;

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

**Query :** select upper(director) DIRECTOR\_NAME, count(director) from movies\_master  
group by director

having count(director) > 1 order by director;

	DIRECTOR_NAME	count(director)
▶	CHRISTOPHER NOLAN	2