

- select * from employee_issue_details;

issue_id	employee_id	item_id	issue_date	return_date
iss001	e002	i007	2013-10-02	2013-11-11
iss002	e001	i006	2014-03-02	2014-11-11
iss003	e009	i001	2012-01-02	2013-03-05
iss004	e004	i003	2010-03-02	2011-06-01
iss005	e007	i010	2009-04-02	2009-07-07
iss006	e009	i007	2010-05-02	2012-12-08
iss007	e004	i010	2013-10-02	2013-11-11
iss009	e002	i006	2012-10-02	2013-09-04
iss010	e002	i007	2011-04-02	2013-11-01
iss011	e002	i003	2010-07-02	2013-11-03
iss012	e004	i007	2009-03-04	2009-11-01
iss013	e004	i007	2008-08-02	2008-09-09
iss014	e004	i006	2011-03-07	2011-06-01
iss016	e009	i013	2010-05-02	2012-12-08
iss021	e012	i001	2013-10-02	2013-11-11
iss022	e012	i001	2010-03-02	2011-06-01
iss023	e012	i005	2009-03-04	2009-11-01
iss024	e012	i005	2008-08-02	2008-09-09
iss025	e012	i005	2011-03-07	2011-06-01

- select * from employee_card_details;

employee_id	loan_id	card_issue_date
e001	00001	2013-10-09
e005	00005	2011-04-10
e008	00003	2009-06-04
e007	00009	2003-02-01

- select * from item_master;

item_id	item_description	issue_status	item_make	item_category	item_valuation
i001	iugiuhou	yes	hand	furniture	2000.00
i002	iugiuhou	no	contract	product	2050.00
i003	iugiuhou	yes	hand	furniture	3000.00
i004	iugiuhou	no	contract	product	7000.00
i005	iugiuhou	no	hand	furniture	8000.00
i006	iugiuhou	yes	machine	product	10000.00
i007	iugiuhou	yes	contract	furniture	7000.00
i008	iugiuhou	no	machine	product	5000.00
i009	iugiuhou	no	hand	product	4000.00
i010	iugiuhou	yes	machine	furniture	1000.00
i013	iugiuhou	yes	machine	product	2000.00

- `select * from employee_master;`

employee_id	employee_name	designation	gender	department	date_of_birth	date_of_joining
E001	ram	pat	male	hr	1988-04-01	2001-02-14
E002	sashi	cat	male	account	1967-02-10	2010-02-04
E003	prerna	trainee	female	hr	1990-10-09	2010-10-14
E004	pratik	assoc	male	prod	1988-05-12	2005-02-12
E005	ram	trainee	male	prod	1978-04-03	2001-02-14
E006	ram	pat	male	account	1968-02-05	2007-01-04
E007	vivek	assoc	male	hr	1958-09-05	2006-03-12
E008	garima	cat	female	account	1990-12-11	2007-04-01
E009	ramesh	pat	male	prod	1992-04-04	1998-05-06
E010	jatin	assoc	male	account	1994-07-12	2012-01-04
E011	sonam	pat	female	prod	1996-03-01	2013-07-03
E012	surya	pat	female	prod	1996-03-01	2013-07-03

- `select * from loan_card_master;`

loan_id	loan_type	duration_in_years
1	stationary	5
2	recurring	1
3	fixed	4
4	recurring	5
5	stationary	3
6	fixed	2
7	recurring	1
8	stationary	3

Q01. Display distinct Employee id, Employee name who kept the item issued for more than a year.

Solution :-

```
select distinct empm.employee_id,employee_name from
employee_master empm,employee_issue_details empid where
empm.employee_id = empid.employee_id and
(datediff(return_date,issue_date)) >365;
```

employee_id	employee_name
E009	ramesh
E004	pratik
E002	sashi
E012	surya

Q2. Count number of customers who have gone for loan type Stationary.

Solution :-

```
select count(employee_id) from loan_card_master  
loancm,employee_card_details empcd where loancm.loan_id =  
empcd.loan_id and loan_type="stationary";
```

count(employee_id)
2

Q3. Display Category and number of item in that category.

Solution :-

```
select item_category,count(item_id) from item_master group by  
item_category;
```

item_category	count(item_id)
furniture	5
product	6

Q4. Empid ,Emp Name who joined the company after 2005.

Solution :-

```
select employee_id,employee_name from employee_master where  
year (date_of_joining)>2005;
```

employee_id	employee_name
E002	sashi
E003	prerna
E006	ram
E007	vivek
E008	garima
E010	jatin
E011	sonam
E012	surya

Q5. Count gender and group by gender.

Solution :-

select gender,count(gender) as gender_count from
employee_master group by gender;

gender	gender_count
female	4
male	8

Q6. Count employees whose issue status is yes.

Solution :-

select count(distinct empm.employee_id)as
employees,empm.employee_id from employee_master
empm,item_master itmm,employee_issue_details empid
where empm.employee_id=empid.employee_id and
itmm.item_id=empid.item_id and issue_status="yes" group by
empm.employee_id;

employees	employee_id
1	E001
1	E002
1	E004
1	E007
1	E009
1	E012

Q9. Display count of employees who have recieved loan.

Solution :-

select count(employee_id) as loan_count,employee_id from
employee_card_details empcd where loan_id in(select loan_id
from loan_card_master) group by employee_id;

loan_count	employee_id
1	e001
1	e005
1	e008

Q10. Display emp id,emp name and no of furniture purchased by
employee who purchased more than one furniture.

Solution :-

Select empid.employee_id, empm.employee_name,
itmm.item_category,count(*) as furniture_number from
employee_issue_details empid,item_master
itmm,employee_master empm where itmm.item_category=
"furniture" and empid.employee_id = empm.employee_id
and empid.item_id = itmm.item_id group by empid.employee_id;

employee_id	employee_name	item_category	furniture_number
e002	sashi	furniture	3
e004	pratik	furniture	4
e007	vivek	furniture	1
e009	ramesh	furniture	2
e012	surya	furniture	5

Q11. Details of issue id,emp id,name who had issued in product display in sorted order of issue_id.

Solution :-

select distinct empid.issue_id, empid.employee_id,
employee_master.employee_name from employee_issue_details
empid natural join employee_master;

issue_id	employee_id	employee_name
iss001	e002	sashi
iss002	e001	ram
iss003	e009	ramesh
iss004	e004	pratik
iss005	e007	vivek
iss006	e009	ramesh
iss007	e004	pratik
iss009	e002	sashi
iss010	e002	sashi
iss011	e002	sashi
iss012	e004	pratik
iss013	e004	pratik
iss014	e004	pratik
iss016	e009	ramesh
iss021	e012	surya
iss022	e012	surya
iss023	e012	surya
iss024	e012	surya
iss025	e012	surya

Q12. Display customer who has not availed for loan.

Solution :- select * from employee_master where employee_id not in(select employee_id from employee_issue_details);

employee_id	employee_name	designation	gender	department	date_of_birth	date_of_joining
E003	prerna	trainee	female	hr	1990-10-09	2010-10-14
E005	ram	trainee	male	prod	1978-04-03	2001-02-14
E006	ram	pat	male	account	1968-02-05	2007-01-04
E008	garima	cat	female	account	1990-12-11	2007-04-01
E010	jatin	assoc	male	account	1994-07-12	2012-01-04
E011	sonam	pat	female	prod	1996-03-01	2013-07-03

Q13. Display emp records for whom never issued an item as a loan order based on emp id.

Solution :-

select distinct empm.employee_id,employee_name from employee_master empm,employee_card_details empcd where empm.employee_id != empcd.employee_id;

employee_id	employee_name
E001	ram
E002	sashi
E003	prerna
E004	pratik
E005	ram
E006	ram
E007	vivek
E008	garima
E009	ramesh
E010	jatin
E011	sonam
E012	surya

Q15. Display No. of emp in HR dept

Solution :-

select count(employee_id) as HR_Number from employee_master where department="hr";

HR_Number
3

Q16. Display issue status and number of items of furniture based on issued and not issued

Solution :-

select issue_status,count(item_id) from item_master where
item_category="furniture" group by issue_status;

issue_status	count(item_id)
no	1
yes	4

Q17. Display empid and total valuation of each employee where
employee must have at least one product issued

Solution :-

select empid.employee_id,sum(itmm.item_valuation) from
employee_issue_details empid,item_master itmm where
itmm.item_id = empid.item_id group by empid.employee_id;

employee_id	sum(itmm.item_valuation)
e001	10000.00
e002	27000.00
e004	28000.00
e007	1000.00
e009	11000.00
e012	28000.00

Q19. Display name of categories and no of items in each category
and sort in order of no of items

Solution:-

select item_category,count(*) as numberofitems from item_master
group by item_category;

item_category	numberofitems
furniture	5
product	6