Loan Query Assignment

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

```
mysql> select distinct em.employee_id, employee_name from
employee_master em, employee_issue_details eid where
em.employee_id=eid.employee_id and (datediff(return_date,issue_date)/365)
>1;
+-------------+--------------+
| employee_id | employee_name |
+-------------+--------------+
| E009        | ramesh       |
| E004        | pratik       |
| E002        | sashi        |
| E012        | surya        |
+-------------+--------------+
4 rows in set (0.06 sec)
```

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

```
mysql> select count(employee_id) from employee_card_details where loan_id
IN(select loan_id from loan_card_master where loan_type='stationary');
+-------------------+
| count(employee_id) |
+-------------------+
|                 2 |
+-------------------+
1 row in set (0.06 sec)
```

03. **Display Category and number of item in that category.**

```
mysql> select item_category,count(item_category) from item_master group by
item_category;
+---------------+---------------------+
| item_category | count(item_category) |
+---------------+---------------------+
| furniture     |                   5 |
| product       |                   6 |
+---------------+---------------------+
2 rows in set (0.05 sec)
```

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

```
mysql> select employee_id,employee_name from employee_master where
date_of_joining > ('2004-12-31');
+-------------+---------------+
| employee_id | employee_name |
+-------------+---------------+
| E002        | sashi         |
| E003        | prerna        |
| E004        | pratik        |
| E006        | ram           |
| E007        | vivek         |
| E008        | garima        |
| E010        | jatin         |
| E011        | sonam         |
| E012        | surya         |
+-------------+---------------+
9 rows in set (0.11 sec)
```

05. **Count gender and group by gender.**

```
mysql> select gender,count(gender) from employee_master group by gender;
+--------+---------------+
| gender | count(gender) |
+--------+---------------+
| female |             4 |
| male   |             8 |
+--------+---------------+
2 rows in set (0.00 sec)
```

06. **Count number of employees whose issue status is yes.**

```
mysql> select distinct count(employee_id) from employee_issue_details where
item_id in(select item_id from item_master where issue_status='yes');
+--------------------+
| count(employee_id) |
+--------------------+
|                 16 |
+--------------------+
1 row in set (0.00 sec)
```

08.Find the max of total valuation of employees whose purchase is in two different categories.

```
mysql> select em.employee_id, employee_name, sum(item_valuation) from
employee_master em, item_master im, employee_issue_details eid where
em.employee_id=eid.employee_id and eid.item_id=im.item_id group by
em.employee_id having sum(item_valuation) in(select max(c) from(select
sum(item_valuation) c from item_master im, employee_issue_details eid,
employee_master em where im.item_id=eid.item_id and
eid.employee_id=em.employee_id group by em.employee_id)a) and
count(distinct item_category)>=2 order by em.employee_id;
+-------------+---------------+--------------------+
| employee_id | employee_name | sum(item_valuation) |
+-------------+---------------+--------------------+
| E002        | sashi         |           27000.00 |
| E004        | pratik        |           28000.00 |
| E009        | ramesh        |           11000.00 |
+-------------+---------------+--------------------+
3 rows in set (0.09 sec)
```

09.**Display count of employees who have recieved loan.**

```
mysql> select count(employee_id) from employee_issue_details;
+--------------------+
| count(employee_id) |
+--------------------+
|                 19 |
+--------------------+
1 row in set (0.35 sec)
```

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

```
mysql> select issue.employee_id id, emp.employee_name  name,
item.item_category, count(*) `number of furniture`
    -> from employee_issue_details issue, item_master item, employee_master
emp
    -> where item.item_category = 'furniture' and
    -> issue.employee_id = emp.employee_id and
    -> issue.item_id = item.item_id
```

```
    -> group by issue.employee_id;
+------+--------+--------------+--------------------+
| id   | name   | item_category | number of furniture |
+------+--------+--------------+--------------------+
| e002 | sashi  | furniture     |                  3 |
| e004 | pratik | furniture     |                  4 |
| e007 | vivek  | furniture     |                  1 |
| e009 | ramesh | furniture     |                  2 |
| e012 | surya  | furniture     |                  5 |
+------+--------+--------------+--------------------+
5 rows in set (0.00 sec)
```

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

```
mysql> select distinct issue_id,employee_id,employee_master.employee_name
from employee_issue_details 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        |
+----------+-------------+--------------+
19 rows in set (0.00 sec)
```

12. **Display customer who has not availed for loan.**

```
mysql> 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     |
+-------------+--------------+-------------+--------+------------+--------------
+-----------------+
6 rows in set (0.05 sec)
```

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

```
mysql> select distinct employee_name from employee_master where
employee_id NOT IN (select distinct employee_
+---------------+
| employee_name |
+---------------+
| prerna        |
| ram           |
| garima        |
| jatin         |
| sonam         |
+---------------+
5 rows in set (0.00 sec)
```

14. Display empid,name who has the highest valuation. if multiple records then display in order of emp id.

```
mysql> select employee_id,employee_name from employee_issue_details
natural join employee_master where item_id IN(select item_id from
item_master  where item_valuation IN(select max(item_valuation) from
item_master)) order by employee_id;
+-------------+--------------+
| employee_id | employee_name |
+-------------+--------------+
| e001        | ram          |
| e002        | sashi        |
| e004        | pratik       |
+-------------+--------------+
3 rows in set (0.00 sec)
```

15. **Display No. of emp in HR dept**

```
mysql> select count(employee_id) as no_of_employee from employee_master
where department ='hr';
+----------------+
| no_of_employee |
+----------------+
|              3 |
+----------------+
1 row in set (0.00 sec)
```

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

```
mysql> select issue_status, count(*) `furniture` from item_master where
item_category = 'furniture' group by issue_status;
+--------------+-----------+
| issue_status | furniture |
+--------------+-----------+
| no           |         1 |
| yes          |         4 |
+--------------+-----------+
2 rows in set (0.00 sec)
```

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

```
mysql> select issue.employee_id empid, sum(item.item_valuation) `total
valuation` from  employee_issue_details issue, item_master item where
item.item_id = issue.item_id group by issue.employee_id;
+-------+----------------+
| empid | total valuation |
+-------+----------------+
| e001  |       10000.00 |
| e002  |       27000.00 |
| e004  |       28000.00 |
| e007  |        1000.00 |
| e009  |       11000.00 |
| e012  |       28000.00 |
+-------+----------------+
6 rows in set (0.00 sec)
```

18. Disp empid,name and count of categories of each emp having at least 2 categories.

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

```
mysql> select item_category category, count(*) items from item_master group
by category;
+-----------+-------+
| category  | items |
+-----------+-------+
| furniture |     5 |
| product   |     6 |
+-----------+-------+
2 rows in set (0.00 sec)
```

20. Display empid,name with their total valuations.

```
mysql> select issue.employee_id empid, emp.employee_name name,
sum(item.item_valuation) from  item_master item, employee_issue_details
issue, employee_master emp where item.item_id = issue.item_id and
emp.employee_id = issue.employee_id group by issue.employee_id order by
emp.employee_id asc;
+-------+--------+------------------------+
| empid | name   | sum(item.item_valuation) |
+-------+--------+------------------------+
```

e001	ram	10000.00
e002	sashi	27000.00
e004	pratik	28000.00
e007	vivek	1000.00
e009	ramesh	11000.00
e012	surya	28000.00

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

6 rows in set (0.00 sec)