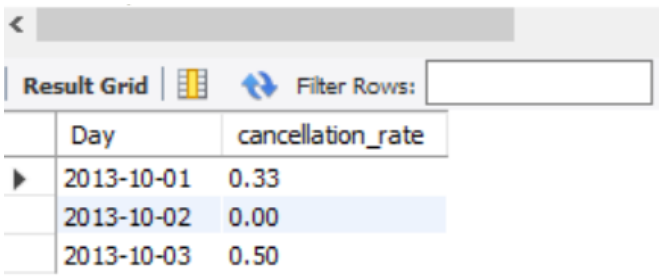
Details of Task1 and Task 2:

Result Task1:

```
SELECT m.day as Day, round(sum(num_cancelled)/ sum(total), 2) cancellation_rate
FROM


(SELECT  request_at day, count(*)  total, 0 as num_cancelled
FROM Trips a
 JOIN users b ON a.client_id = b.users_id AND b.banned = 'No' -- or a.driver_id = b.users_id
WHERE a.request_at BETWEEN '2013-10-01' AND '2013-10-03'
GROUP BY request_at
UNION ALL
SELECT
   request_at day, 0 total , count(*) num_cancelled
FROM Trips a
JOIN users b  ON a.client_id= b.users_id
WHERE a.request_at BETWEEN '2013-10-01' AND '2013-10-03'
                    AND b.banned = 'No' AND a.status != 'completed'
GROUP BY request_at) m


GROUP BY m.day;
```



Day	cancellation_rate
2013-10-01	0.33
2013-10-02	0.00
2013-10-03	0.50

Result Tas2:

```
SELECT Department, Employee, Salary
FROM
    (SELECT b.name as Department, a.name as Employee, a.salary as Salary, dense_rank() over
(PARTITION BY b.id ORDER BY a.salary DESC) as rnk
    FROM employee a
    JOIN department b ON a.departmentid = b.id ) m
WHERE rnk <= 3;
```

Result Grid | Filter Rows:

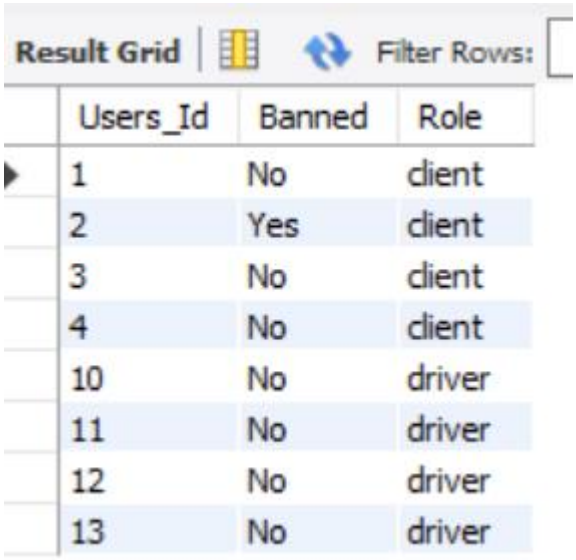
Department	Employee	Salary
IT	Max	90000
IT	Joe	85000
IT	Randy	85000
IT	Will	70000
Sales	Henry	80000
Sales	Sam	60000

Trips Table:

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

Id	Client_Id	Driver_Id	City_Id	Status	Request_at
1	1	10	1	completed	2013-10-01
2	2	11	1	cancelled_by_driver	2013-10-01
3	3	12	6	completed	2013-10-01
4	4	13	6	cancelled_by_client	2013-10-01
5	1	10	1	completed	2013-10-02
6	2	11	6	completed	2013-10-02
7	3	12	6	completed	2013-10-02
8	2	12	12	completed	2013-10-03
9	3	10	12	completed	2013-10-03
10	4	13	12	cancelled_by_driver	2013-10-03

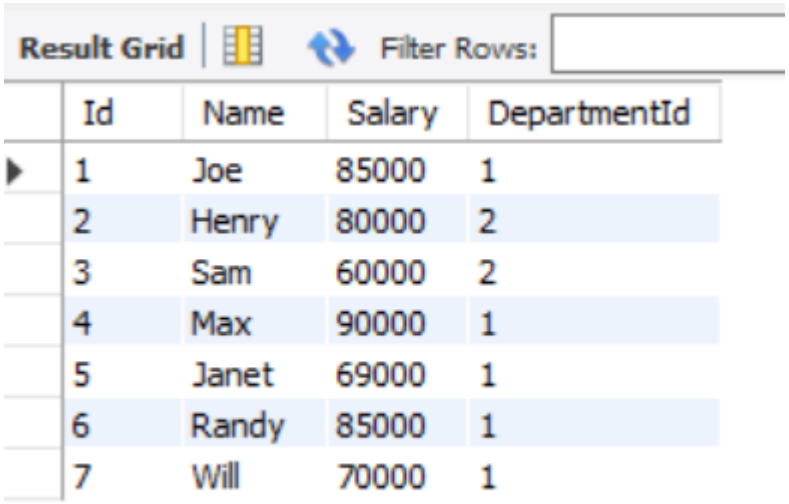
Users Table:



Result Grid | Filter Rows:

Users_Id	Banned	Role
1	No	client
2	Yes	client
3	No	client
4	No	client
10	No	driver
11	No	driver
12	No	driver
13	No	driver

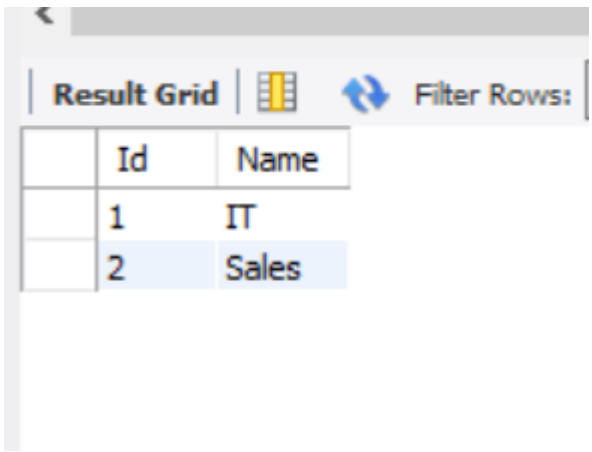
Employee Table:



Result Grid | Filter Rows:

Id	Name	Salary	DepartmentId
1	Joe	85000	1
2	Henry	80000	2
3	Sam	60000	2
4	Max	90000	1
5	Janet	69000	1
6	Randy	85000	1
7	Will	70000	1

Department Table:



Result Grid | Filter Rows:

Id	Name
1	IT
2	Sales