# INPUTS

```sql
144     JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO
145     JOIN DEPT D ON E.DEPTNO = D.DEPTNO
146     WHERE M.MGR_NO IS NULL;
147
148     /*Find the employee details who got second maximum incentive in January 2019*/
149 •   SELECT E.*
150     FROM EMPLOYEE E
151     JOIN INCENTIVES I ON E.EMPNO = I.EMPNO
152     WHERE I.INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
153     AND I.INCENTIVE_AMOUNT = (
154         SELECT MAX(INCENTIVE_AMOUNT)
155         FROM INCENTIVES
156         WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
157         AND INCENTIVE_AMOUNT < (
158             SELECT MAX(INCENTIVE_AMOUNT)
159             FROM INCENTIVES
160             WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
161         )
162     );
163
164     /*disisplay those employees whop are working in same department where their manager is working*/
165 •   SELECT E.ENAME AS EMPLOYEE_NAME, E.DEPTNO, M.ENAME AS MANAGER_NAME
166     FROM EMPLOYEE E
```

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

| EMPNO | ENAME | MGR_NO | HIREDATE | SAL | DEPTNO |
| --- | --- | --- | --- | --- | --- |
| 101 | Ananya | NULL | 2020-06-10 | 55000.00 | 10 |

Result 12 | Read Only | Context Help | Snippets

Output

Action Output

| # | Time | Action | Message | Duration / Fetch |
| --- | --- | --- | --- | --- |
| 28 | 08:45:23 | INSERT INTO INCENTIVES VALUES (107, '2019-04-24', 1700), (102, '2019-08-29', 1700), (101, '2019-07-27', 1700) | 3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0 | 0.000 sec |
| 29 | 08:45:28 | SELECT * FROM INCENTIVES WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31' AND INCENTIVE_AMOUNT = ( SELECT ... | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 30 | 08:46:31 | INSERT INTO INCENTIVES VALUES (101, '2019-01-10', 4000), (102, '2019-01-12', 2500), (103, '2019-01-15', 3500), (104, '2019-01-20', 3000), (105, ... | 5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0 | 0.000 sec |

---

```sql
151     JOIN INCENTIVES I ON E.EMPNO = I.EMPNO
152     WHERE I.INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
153     AND I.INCENTIVE_AMOUNT = (
154         SELECT MAX(INCENTIVE_AMOUNT)
155         FROM INCENTIVES
156         WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
157         AND INCENTIVE_AMOUNT < (
158             SELECT MAX(INCENTIVE_AMOUNT)
159             FROM INCENTIVES
160             WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
161         )
162     );
163
164     /*disisplay those employees whop are working in same department where their manager is working*/
165 •   SELECT E.ENAME AS EMPLOYEE_NAME, E.DEPTNO, M.ENAME AS MANAGER_NAME
166     FROM EMPLOYEE E
167     JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO
168     WHERE E.DEPTNO = M.DEPTNO;
169
170
171
172
173
```

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

| EMPNO | ENAME | MGR_NO | HIREDATE | SAL | DEPTNO |
| --- | --- | --- | --- | --- | --- |
| 101 | Ananya | NULL | 2020-06-10 | 55000.00 | 10 |

Result 12 | Read Only | Context Help | Snippets

Output

Action Output

| # | Time | Action | Message | Duration / Fetch |
| --- | --- | --- | --- | --- |
| 28 | 08:45:23 | INSERT INTO INCENTIVES VALUES (107, '2019-04-24', 1700), (102, '2019-08-29', 1700), (101, '2019-07-27', 1700) | 3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0 | 0.000 sec |
| 29 | 08:45:28 | SELECT * FROM INCENTIVES WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31' AND INCENTIVE_AMOUNT = ( SELECT ... | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 30 | 08:46:31 | INSERT INTO INCENTIVES VALUES (101, '2019-01-10', 4000), (102, '2019-01-12', 2500), (103, '2019-01-15', 3500), (104, '2019-01-20', 3000), (105, '... | 5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0 | 0.000 sec |
| 31 | 08:47:17 | SELECT E.ENAME AS Second_Level_Manager, D.DNAME AS Department FROM EMPLOYEE E JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO ... | 3 row(s) returned | 0.000 sec / 0.000 sec |
| 32 | 08:59:40 | SELECT E.* FROM EMPLOYEE E JOIN INCENTIVES I ON E.EMPNO = I.EMPNO WHERE I.INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-... | 1 row(s) returned | 0.000 sec / 0.000 sec |

# OUTPUTS

Screenshot 1:

```sql
133 •   SELECT M.ENAME AS MANAGER_NAME
134     FROM EMPLOYEE M
135     WHERE M.SAL > (
136         SELECT AVG(E.SAL)
137         FROM EMPLOYEE E
138         WHERE E.MGR_NO = M.EMPNO
139     );
140
141     /*find the names of 2nd top level managerts of each depatment*/
142 •   SELECT E.ENAME AS Second_Level_Manager, D.DNAME AS Department
143     FROM EMPLOYEE E
144     JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO
145     JOIN DEPT D ON E.DEPTNO = D.DEPTNO
146     WHERE M.MGR_NO IS NULL;
147
148     /*Find the employee details who got second maximum incentive in January 2019*/
149 •   SELECT E.*
150     FROM EMPLOYEE E
151     JOIN INCENTIVES I ON E.EMPNO = I.EMPNO
152     WHERE I.INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
153     AND I.INCENTIVE_AMOUNT = (
154         SELECT MAX(INCENTIVE_AMOUNT)
155         FROM INCENTIVES
```

Result Grid:

| Second_Level_Manager | Department |
|---|---|
| Priya | HR |
| Rahul | Finance |
| Vikas | Marketing |

Result 15

| # | Time | Action | Message | Duration / Fetch |
|---|---|---|---|---|
| 31 | 08:47:17 | SELECT E.ENAME AS Second_Level_Manager, D.DNAME AS Department FROM EMPLOYEE E JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO ... | 3 row(s) returned | 0.000 sec / 0.000 sec |
| 32 | 08:59:40 | SELECT E.* FROM EMPLOYEE E JOIN INCENTIVES I ON E.EMPNO = I.EMPNO WHERE I.INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-... | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 33 | 09:11:23 | SELECT E.ENAME AS Manager_Name FROM EMPLOYEE E JOIN EMPLOYEE M ON E.EMPNO = M.MGR_NO GROUP BY E.ENAME HAVING CO... | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 34 | 09:11:42 | SELECT M.ENAME AS MANAGER_NAME FROM EMPLOYEE M WHERE M.SAL >( SELECT AVG(E.SAL) FROM EMPLOYEE E WHERE E... | 2 row(s) returned | 0.000 sec / 0.000 sec |

Screenshot 2:

```sql
142 •   SELECT E.ENAME AS Second_Level_Manager, D.DNAME AS Department
143     FROM EMPLOYEE E
144     JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO
145     JOIN DEPT D ON E.DEPTNO = D.DEPTNO
146     WHERE M.MGR_NO IS NULL;
147
148     /*Find the employee details who got second maximum incentive in January 2019*/
149 •   SELECT E.*
150     FROM EMPLOYEE E
151     JOIN INCENTIVES I ON E.EMPNO = I.EMPNO
152     WHERE I.INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
153     AND I.INCENTIVE_AMOUNT = (
154         SELECT MAX(INCENTIVE_AMOUNT)
155         FROM INCENTIVES
156         WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
157         AND INCENTIVE_AMOUNT < (
158             SELECT MAX(INCENTIVE_AMOUNT)
159             FROM INCENTIVES
160             WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
161         )
162     );
163
164     /*dsisplay those employees whop are working in same department where their manager is working*/
```

Result Grid:

| EMPNO | ENAME | MGR_NO | HIREDATE | SAL | DEPTNO |
|---|---|---|---|---|---|
| 101 | Ananya | NULL | 2020-06-10 | 55000.00 | 10 |

Result 16

| # | Time | Action | Message | Duration / Fetch |
|---|---|---|---|---|
| 32 | 08:59:40 | SELECT E.* FROM EMPLOYEE E JOIN INCENTIVES I ON E.EMPNO = I.EMPNO WHERE I.INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-... | 1 row(s) returned | 0.000 sec / 0.000 sec |

Screenshot 3:

```sql
146     WHERE M.MGR_NO IS NULL;
147
148     /*Find the employee details who got second maximum incentive in January 2019*/
149 •   SELECT E.*
150     FROM EMPLOYEE E
151     JOIN INCENTIVES I ON E.EMPNO = I.EMPNO
152     WHERE I.INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
153     AND I.INCENTIVE_AMOUNT = (
154         SELECT MAX(INCENTIVE_AMOUNT)
155         FROM INCENTIVES
156         WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
157         AND INCENTIVE_AMOUNT < (
158             SELECT MAX(INCENTIVE_AMOUNT)
159             FROM INCENTIVES
160             WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
161         )
162     );
163
164     /*dsisplay those employees whop are working in same department where their manager is working*/
165 •   SELECT E.ENAME AS EMPLOYEE_NAME, E.DEPTNO, M.ENAME AS MANAGER_NAME
166     FROM EMPLOYEE E
167     JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO
168     WHERE E.DEPTNO = M.DEPTNO;
```

Result Grid:

| EMPLOYEE_NAME | DEPTNO | MANAGER_NAME |
|---|---|---|
| Priya | 10 | Ananya |

Result 17

| # | Time | Action | Message | Duration / Fetch |
|---|---|---|---|---|
| 33 | 09:11:23 | SELECT E.ENAME AS Manager_Name FROM EMPLOYEE E JOIN EMPLOYEE M ON E.EMPNO = M.MGR_NO GROUP BY E.ENAME HAVING CO... | 1 row(s) returned | 0.000 sec / 0.000 sec |
| 34 | 09:11:42 | SELECT M.ENAME AS MANAGER_NAME FROM EMPLOYEE M WHERE M.SAL >( SELECT AVG(E.SAL) FROM EMPLOYEE E WHERE E... | 2 row(s) returned | 0.000 sec / 0.000 sec |
| 35 | 09:12:01 | SELECT E.ENAME AS Second_Level_Manager, D.DNAME AS Department FROM EMPLOYEE E JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO | 3 row(s) returned | 0.000 sec / 0.000 sec |