

DBMS

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Date: 6/11/25

ADDITIONAL QUERIES ON EMPLOYEE DATABASE

The screenshot shows the MySQL Workbench interface. The left sidebar displays a list of databases, with 'employee_database' selected. The main editor window contains the following SQL query:

```
133
134
135 /*List the Name of the Managers with Maximum Employees*/
136 SELECT E.ENAME AS Manager_Name
137 FROM EMPLOYEE E
138 JOIN EMPLOYEE M ON E.EMPNO = M.MGR_NO
139 GROUP BY E.ENAME
140 HAVING COUNT(M.EMPNO) = (
141     SELECT MAX(COUNT_SUB)
142     FROM (
143         SELECT COUNT(MGR_NO) AS COUNT_SUB
144         FROM EMPLOYEE
145         WHERE MGR_NO IS NOT NULL
146         GROUP BY MGR_NO
147     ) AS CNT
148 );
149
150
```

Below the query editor, the 'Result Grid' is visible, showing the output of the query:

Manager_Name
Ravi
Kiran

The bottom of the interface shows the 'Information' tab, which displays details for the 'incentives' table:

Table: incentives

Columns:

- EMPNO: int
- INCENTIVE_DATE: date
- INCENTIVE_AMOUNT: decimal

File Edit View Query Database Server Tools Scripting Help

Navigator: Employee_DatabaseAD SQL File 1 Insurance_Database

SCHEMAS

Filter objects

- akash12
- akash123
- bank23
- bank231
- bank24
- cars
- employee
- employee_database**
 - Tables
 - assigned_to
 - dept
 - employee
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 - project
 - Views
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 - Functions
- insurance
- insurance2
- insurance23
- insurance_database
- newdatabase
- sakila
- sqlakash123
- supplier
- sys
- world

Administration Schemas

Information

Table: incentives

Columns:

EMPNO int
INCENTIVE_DATE date
INCENTIVE_AMOUNT decimal

```

145 WHERE MGR_NO IS NOT NULL
146 GROUP BY MGR_NO
147 ) AS CNT
148 );
149
150
151
152
153
154 /*Display Managers Whose Salary > Average Salary of Their Employees*/
155
156 SELECT DISTINCT M.ENAME AS Manager_Name
157 FROM EMPLOYEE M
158 JOIN EMPLOYEE E ON M.EMPNO = E.MGR_NO
159 GROUP BY M.EMPNO, M.ENAME, M.SAL
160 HAVING M.SAL > AVG(E.SAL);
161
162

```

Result Grid Filter Rows: Export: Wrap Cell Content: [IA](#)

Manager_Name
Ravi

mysql workbench

B_Ruchitha x MySQL Model x

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Administration Schemas

Information

Table: incentives

```

163
164 /* Employee Details Who Got Second Maximum Incentive in Jan 2019*/
165
166 SELECT E.*
167 FROM EMPLOYEE E
168 JOIN INCENTIVES I ON E.EMPNO = I.EMPNO
169 WHERE I.INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
170 AND I.INCENTIVE_AMOUNT = (
171 SELECT MAX(INCENTIVE_AMOUNT)
172 FROM INCENTIVES
173 WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
174 AND INCENTIVE_AMOUNT < (
175 SELECT MAX(INCENTIVE_AMOUNT)
176 FROM INCENTIVES
177 WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
178 )
179 );
180

```

Result Grid Filter Rows: Export: Wrap Cell Content: [IA](#)

EMPNO	ENAME	MGR_NO	HIREDATE	SAL	DEPTNO
101	Ravi	NULL	2020-05-10	60000.00	10

MySQL Workbench interface showing a query in the SQL File 1 tab. The query is designed to find employees who received an incentive within a specific date range and whose incentive amount is less than the maximum incentive amount for that period.

```

172 FROM INCENTIVES
173 WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
174 AND INCENTIVE_AMOUNT < (
175     SELECT MAX(INCENTIVE_AMOUNT)
176     FROM INCENTIVES
177     WHERE INCENTIVE_DATE BETWEEN '2019-01-01' AND '2019-01-31'
178 )
179 );

```

The result grid shows the following data:

Employee_Name	Manager_Name	Department
Meena	Anita	HR

Table: incentives
Columns: EMPNO, INCENTIVE_DATE, INCENTIVE_AMOUNT

MySQL Workbench interface showing a query in the SQL File 1 tab. The query is designed to find the second-level managers for each department.

```

181
182 /*Employees Working in the Same Department as Their Manager*/
183
184 • SELECT E.ENAME AS Employee_Name, M.ENAME AS Manager_Name, D.DNAME AS Department
185 FROM EMPLOYEE E
186 JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO
187 JOIN DEPT D ON E.DEPTNO = D.DEPTNO
188 WHERE E.DEPTNO = M.DEPTNO;
189
190
191 /*Find the name of the second top-level managers of each department*/
192
193 • SELECT E.ENAME AS Second_Level_Manager, D.DNAME AS Department
194 FROM EMPLOYEE E
195 JOIN EMPLOYEE M ON E.MGR_NO = M.EMPNO
196 JOIN DEPT D ON E.DEPTNO = D.DEPTNO
197 WHERE M.MGR_NO IS NULL;
198

```

The result grid shows the following data:

Second_Level_Manager	Department
Anita	HR
Kiran	Finance

Table: incentives