

Query 1 ×

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61 -- Queries

62 • SELECT e.emp\_id  
FROM Employee e  
JOIN Project p ON e.dept\_id = p.dept\_id  
WHERE p.project\_location IN ('Bengaluru', 'Hyderabad', 'Mysuru');

63

64

65

66

67 • SELECT emp\_id, emp\_name  
FROM Employee  
WHERE emp\_id NOT IN (SELECT emp\_id FROM Incentive);

68

69

70

71 • SELECT e.emp\_name, e.emp\_id, d.dept\_name, e.job\_role, d.dept\_location, p.project\_location  
FROM Employee e  
JOIN Department d ON e.dept\_id = d.dept\_id  
JOIN Project p ON d.dept\_id = p.dept\_id  
WHERE d.dept\_location = p.project\_location;

72

73

74

75

76

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

emp_id
1
2
3
4
5
6

Query 1 x



Limit to 1000 rows



```
64     JOIN Project p ON e.dept_id = p.dept_id
65     WHERE p.project_location IN ('Bengaluru', 'Hyderabad', 'Mysuru');
66
67 •   SELECT emp_id, emp_name
68     FROM Employee
69     WHERE emp_id NOT IN (SELECT emp_id FROM Incentive);
70
71 •   SELECT e.emp_name, e.emp_id, d.dept_name, e.job_role, d.dept_location, p.project_location
72     FROM Employee e
73     JOIN Department d ON e.dept_id = d.dept_id
74     JOIN Project p ON d.dept_id = p.dept_id
75     WHERE d.dept_location = p.project_location;
76
77
78 -- PROGRAM 6: MORE QUERIES ON EMPLOYEE DATABASE
79 •   SELECT m.emp_name AS Manager_Name, COUNT(e.emp_id) AS No_of_Employees
```

Result Grid



Filter Rows:

Edit:

Wrap Cell Content: 

	emp_id	emp_name
▶	1	Ravi
	4	Ramesh
	6	Suman
*	NULL	NULL

Query 1 x

```
64     JOIN Project p ON e.dept_id = p.dept_id
65     WHERE p.project_location IN ('Bengaluru', 'Hyderabad', 'Mysuru');
66
67 •   SELECT emp_id, emp_name
68   FROM Employee
69   WHERE emp_id NOT IN (SELECT emp_id FROM Incentive);
70
71 •   SELECT e.emp_name, e.emp_id, d.dept_name, e.job_role, d.dept_location, p.project_location
72   FROM Employee e
73   JOIN Department d ON e.dept_id = d.dept_id
74   JOIN Project p ON d.dept_id = p.dept_id
75   WHERE d.dept_location = p.project_location;
76
77
78 -- PROGRAM 6: MORE QUERIES ON EMPLOYEE DATABASE
79 •   SELECT m.emp_name AS Manager_Name, COUNT(e.emp_id) AS No_of_Employees
```

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

	emp_name	emp_id	dept_name	job_role	dept_location	project_location
▶	Ravi	1	HR	Manager	Bengaluru	Bengaluru
	Kiran	2	HR	Analyst	Bengaluru	Bengaluru
	Asha	3	Finance	Accountant	Hyderabad	Hyderabad
	Ramesh	4	Finance	Manager	Hyderabad	Hyderabad
	Divya	5	R&D	Researcher	Mysuru	Mysuru
	Suman	6	R&D	Manager	Mysuru	Mysuru

Query 1

```
77
78      -- PROGRAM 6: MORE QUERIES ON EMPLOYEE DATABASE
79 •  SELECT m.emp_name AS Manager_Name, COUNT(e.emp_id) AS No_of_Employees
80   FROM Employee e
81   JOIN Employee m ON e.manager_id = m.emp_id
82   GROUP BY m.emp_name
83   HAVING COUNT(e.emp_id) = (
84       SELECT MAX(emp_count)
85       FROM (
86           SELECT COUNT(emp_id) AS emp_count
87           FROM Employee
88           WHERE manager_id IS NOT NULL
89           GROUP BY manager_id
90       ) AS counts
91   );
92
```

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

	Manager_Name	No_of_Employees
▶	Ravi	1
	Ramesh	1
	Suman	1

Query 1 

```
86     SELECT COUNT(emp_id) AS emp_count
87     FROM Employee
88     WHERE manager_id IS NOT NULL
89     GROUP BY manager_id
90   ) AS counts
91 ;
92
93 •   SELECT DISTINCT m.emp_name
94   FROM Employee m
95   JOIN Employee e ON e.manager_id = m.emp_id
96   GROUP BY m.emp_id, m.emp_name, m.salary
97   HAVING m.salary > AVG(e.salary);
98
99 •   SELECT dept_id, emp_name
100    FROM Employee
101   WHERE manager_id IN (
```

Result Grid Filter Rows: Export: Wrap Cell Content: 

	emp_name
▶	Ramesh
	Ravi
	Suman

Query 1 X

```
98
99 •   SELECT dept_id, emp_name
100    FROM Employee
101   WHERE manager_id IN (
102       SELECT emp_id FROM Employee WHERE manager_id IS NULL
103   );
104
105 •  SELECT emp_id, incentive_amount
106    FROM Incentive
107   WHERE MONTH(incentive_date) = 1 AND YEAR(incentive_date) = 2019
108   ORDER BY incentive_amount DESC
109   LIMIT 1 OFFSET 1;
110
111 •  SELECT e.emp_name
112    FROM Employee e
113   JOIN Employee m ON e.manager_id = m.emp_id
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



emp_name
Ramesh
Ravi
Suman

Query 1 x

Limit to 1000 rows



```
101 WHERE manager_id IN (
102     SELECT emp_id FROM Employee WHERE manager_id IS NULL
103 );
104
105 •   SELECT emp_id, incentive_amount
106     FROM Incentive
107     WHERE MONTH(incentive_date) = 1 AND YEAR(incentive_date) = 2019
108     ORDER BY incentive_amount DESC
109     LIMIT 1 OFFSET 1;
110
111 •   SELECT e.emp_name
112     FROM Employee e
113     JOIN Employee m ON e.manager_id = m.emp_id
114     WHERE e.dept_id = m.dept_id;
115
116
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



Fetch rows:



	emp_id	incentive_amount
▶	2	5000.00

Query 1 

```
107 WHERE MONTH(incentive_date) = 1 AND YEAR(incentive_date) = 2019
108 ORDER BY incentive_amount DESC
109 LIMIT 1 OFFSET 1;
110
111 • SELECT e.emp_name
112 FROM Employee e
113 JOIN Employee m ON e.manager_id = m.emp_id
114 WHERE e.dept_id = m.dept_id;
115
116
117 -- PROGRAM 7: SUPPLIER DATABASE
118 • CREATE TABLE Supplier (
119     sid INT PRIMARY KEY,
120     sname VARCHAR(50)
121 );
122
```

Result Grid Filter Rows: Export: Wrap Cell Content: 

	emp_name
▶	Kiran
	Asha
	Divya

Query 1 x



```
152
153 • Save the script to a file. .pname
154     FROM Part p
155     JOIN Supply s ON p.pid = s.pid;
156
157 •   SELECT s.sname
158     FROM Supplier s
159     WHERE NOT EXISTS (
160         SELECT * FROM Part p
161         WHERE NOT EXISTS (
162             SELECT * FROM Supply sp
163             WHERE sp.sid = s.sid AND sp.pid = p.pid
164         )
165     );
166
167 •   SELECT s.sname
```

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

pname
Bolt
Nut
Washer

Query 1 x

155        JOIN Supply s ON p.pid = s.pid;

156

157 •     SELECT s.sname  
158        FROM Supplier s  
159        WHERE NOT EXISTS (  
160            SELECT \* FROM Part p  
161            WHERE NOT EXISTS (  
162                SELECT \* FROM Supply sp  
163                WHERE sp.sid = s.sid AND sp.pid = p.pid  
164            )  
165        )j

166

167 •     SELECT s.sname  
168        FROM Supplier s  
169        WHERE NOT EXISTS (  
170            SELECT \* FROM Part p WHERE p.color='Red'

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

sname
-------

Query 1 

```
177 •   SELECT p.pname
178     FROM Part p
179     WHERE p.pid IN (
180         SELECT pid FROM Supply WHERE sid = 1
181     )
182     AND p.pid NOT IN (
183         SELECT pid FROM Supply WHERE sid <> 1
184     );
185
186 •   SELECT DISTINCT s.sid, s.sname
187     FROM Supplier s
188     JOIN Supply sp ON s.sid = sp.sid
189     WHERE sp.cost > (
190         SELECT AVG(cost) FROM Supply sp2 WHERE sp2.pid = sp.pid
191     );
192
```

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

	sid	sname
▶	1	Acme Widget Suppliers

Query 1 x

```
185
186 •  SELECT DISTINCT s.sid, s.sname
187      FROM Supplier s
188      JOIN Supply sp ON s.sid = sp.sid
189      WHERE sp.cost > (
190          SELECT AVG(cost) FROM Supply sp2 WHERE sp2.pid = sp.pid
191      );
192
193 •  SELECT p.pname, s.sname
194      FROM Supply sp
195      JOIN Supplier s ON sp.sid = s.sid
196      JOIN Part p ON sp.pid = p.pid
197      WHERE sp.cost = (
198          SELECT MAX(cost) FROM Supply WHERE pid = p.pid
199      );
```

Result Grid

Filter Rows:

Export:



Wrap Cell Content:

	pname	sname
▶	Bolt	Acme Widget Suppliers
	Nut	Acme Widget Suppliers
	Washer	Redline Components