

Query 1 x



Limit to 1000 rows

```
61  -- Queries
62  • SELECT e.emp_id
63  FROM Employee e
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
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	emp_id
▶	1
	2
	3
	4
	5
	6

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: Edit: Export/Import: Wrap Cell Content:

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

Query 1



```
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

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 x



```
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 );
```

```
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



```
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



```
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

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



```
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
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



```
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