

LAB-7

OUTPUT

```
CREATE DATABASE SUPPLIER;

CREATE TABLE SUPPLIERS(SID BIGINT(5) PRIMARY KEY, SNAME
VARCHAR(20), CITY VARCHAR(20));
INSERT INTO SUPPLIERS VALUES(10001,'ACME WIDGET','BANGALORE');
INSERT INTO SUPPLIERS VALUES(10002,'JOHNS ','KOLKATA');
INSERT INTO SUPPLIERS VALUES(10003,'VIMAL','MUMBAI');
INSERT INTO SUPPLIERS VALUES(10004,'RELIANCE ','DELHI');
SELECT * FROM SUPPLIERS;

CREATE TABLE PARTS(PID BIGINT(5) PRIMARY KEY, PNAME VARCHAR(20),
COLOR VARCHAR(10));
INSERT INTO PARTS VALUES(20001,'BOOK','RED');
INSERT INTO PARTS VALUES(20002,'PEN','RED');
INSERT INTO PARTS VALUES(20003,'PENCIL','GREEN');
INSERT INTO PARTS VALUES(20004,'MOBILE ','GREEN');
INSERT INTO PARTS VALUES(20005,'CHARGER','BLACK');
SELECT * FROM PARTS;

CREATE TABLE CATALOG(SID BIGINT(5), PID BIGINT(5), FOREIGN KEY(SID)
REFERENCES SUPPLIERS(SID), FOREIGN KEY(PID) REFERENCES PARTS(PID),
COST FLOAT(6), PRIMARY KEY(SID, PID));
INSERT INTO CATALOG VALUES(10001,20001,10);
INSERT INTO CATALOG VALUES(10001,20002,10);
INSERT INTO CATALOG VALUES(10001,20003,30);
INSERT INTO CATALOG VALUES(10001,20004,10);
INSERT INTO CATALOG VALUES(10001,20005,10);
INSERT INTO CATALOG VALUES(10002,20001,10);
INSERT INTO CATALOG VALUES(10002,20002,20);
INSERT INTO CATALOG VALUES(10003,20003,30);
INSERT INTO CATALOG VALUES(10004,20003,40);
SELECT * FROM CATALOG;
```

```
/* 1 - FIND THE PNAMEs OF PARTS FOR WHICH THERE IS SOME SUPPLIER. */  
SELECT DISTINCT P.PNAME  
FROM PARTS P, CATALOG C  
WHERE P.PID = C.PID;
```

```
/* FIND THE SNAMEs OF SUPPLIERS WHO SUPPLY EVERY PART */  
SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM  
PARTS P WHERE NOT EXISTS (SELECT C.SID FROM CATALOG C WHERE C.SID =  
S.SID AND C.PID = P.PID));
```

```
/* FIND THE SNAMEs OF SUPPLIERS WHO SUPPLY EVERY RED PART. */  
SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM  
PARTS P WHERE P.COLOR = 'RED' AND (NOT EXISTS (SELECT C.SID FROM  
CATALOG C WHERE C.SID = S.SID AND C.PID = P.PID)));
```

```
/* FIND THE PNAMEs OF PARTS SUPPLIED BY ACME WIDGET SUPPLIERS AND BY NO ONE  
ELSE */  
SELECT P.PNAME FROM PARTS P, CATALOG C, SUPPLIERS S WHERE P.PID  
= C.PID AND C.SID = S.SID AND S.SNAME = 'ACME WIDGET' AND NOT EXISTS  
(SELECT * FROM CATALOG C1, SUPPLIERS S1 WHERE P.PID = C1.PID AND  
C1.SID = S1.SID AND S1.SNAME <> 'ACME WIDGET');
```

```
/* FIND THE SIDS OF SUPPLIERS WHO CHARGE MORE FOR SOME PART THAN THE AVERAGE  
COST OF THAT PART (AVERAGED OVER  
ALL THE SUPPLIERS WHO SUPPLY THAT PART).  
*/  
SELECT DISTINCT C.SID FROM CATALOG C  
WHERE C.COST > ( SELECT AVG (C1.COST)  
FROM CATALOG C1  
WHERE C1.PID = C.PID );
```

```
/* FOR EACH PART, FIND THE SNAME OF THE SUPPLIER WHO CHARGES THE MOST FOR THAT PART.*/
```

```
SELECT P.PID, S.SNAME
FROM PARTS P, SUPPLIERS S, CATALOG C
WHERE C.PID = P.PID
AND C.SID = S.SID
AND C.COST = (SELECT MAX(C1.COST)
FROM CATALOG C1
WHERE C1.PID = P.PID);
```

```
/* FIND THE SIDS OF SUPPLIERS WHO SUPPLY ONLY RED PARTS.*/
```

```
SELECT DISTINCT C.SID
FROM CATALOG C
WHERE NOT EXISTS ( SELECT *
FROM PARTS P
WHERE P.PID = C.PID AND P.COLOR <> 'RED' );
```

The screenshot shows the MySQL Workbench interface. The main window is titled 'Query 1' and contains the following SQL code:

```
5 INSERT INTO SUPPLIERS VALUES(10001,'ACME WIDGET','BANGALORE');
6 INSERT INTO SUPPLIERS VALUES(10002,'JOHNS','KOLKATA');
7 INSERT INTO SUPPLIERS VALUES(10003,'VIMAL','MUMBAI');
8 INSERT INTO SUPPLIERS VALUES(10004,'RELIANCE','DELHI');
9 SELECT * FROM SUPPLIERS;
10 CREATE TABLE PARTS(PID BIGINT(5) PRIMARY KEY, PNAME VARCHAR(20),
11 COLOR VARCHAR(10));
12 INSERT INTO PARTS VALUES(20001,'BOOK','RED');
```

Below the query editor, the 'Result Grid' shows the results of the query. It has columns for SID, SNAME, and CITY. The data is as follows:

SID	SNAME	CITY
10001	ACME WIDGET	BANGALORE
10002	JOHNS	KOLKATA
10003	VIMAL	MUMBAI
10004	RELIANCE	DELHI

The 'Output' window at the bottom shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
28	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE NOT...	1 row(s) returned	0.000 sec / 0.000 sec
29	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE P.C...	2 row(s) returned	0.000 sec / 0.000 sec
30	20:17:02	SELECT P.PNAME FROM PARTS P, CATALOG C, SUPPLIERS S WHERE C.PID = C.PID AND C.SID = S.SID A...	2 row(s) returned	0.000 sec / 0.000 sec
31	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE C.COST > (SELECT AVG(C1.COST) FROM CATALOG ...	2 row(s) returned	0.000 sec / 0.000 sec
32	20:17:02	SELECT P.PID, S.SNAME FROM PARTS P, SUPPLIERS S, CATALOG C WHERE C.PID = P.PID AND C.SID = S...	6 row(s) returned	0.000 sec / 0.000 sec
33	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P WHERE P.PID...	2 row(s) returned	0.000 sec / 0.000 sec
34	20:17:13	EXPLAIN SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P W...	OK	0.000 sec

MySQL Workbench

movie x airline x SUPPLIERS x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- airline
- airline_db
- banking
- movie
- order_processing
- student_enrol

Administration Schemas

Information

No object selected

Query 1

```

13 • INSERT INTO PARTS VALUES(20002,'PEN','RED');
14 • INSERT INTO PARTS VALUES(20003,'PENCIL','GREEN');
15 • INSERT INTO PARTS VALUES(20004,'MOBILE','GREEN');
16 • INSERT INTO PARTS VALUES(20005,'CHARGER','BLACK');
17 • SELECT * FROM PARTS;
18 • CREATE TABLE CATALOG(SID BIGINT(5), PID BIGINT(5), FOREIGN KEY(SID)
19 REFERENCES SUPPLIERS(SID), FOREIGN KEY(PID) REFERENCES PARTS(PID),
20 COST FLOAT(6), PRIMARY KEY(SID, PID));

```

Result Grid

PID	PNAME	COLOR
20001	BOOK	RED
20002	PEN	RED
20003	PENCIL	GREEN
20004	MOBILE	GREEN
20005	CHARGER	BLACK

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE NOT...	1 row(s) returned	0.000 sec / 0.000 sec
29	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE P.C...	2 row(s) returned	0.000 sec / 0.000 sec
30	20:17:02	SELECT P.PNAME FROM PARTS P, CATALOG C, SUPPLIERS S WHERE P.PID = C.PID AND C.SID = S.SID A...	2 row(s) returned	0.000 sec / 0.000 sec
31	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE C.COST > (SELECT AVG (C1.COST) FROM CATALOG ...	2 row(s) returned	0.000 sec / 0.000 sec
32	20:17:02	SELECT P.PID, S.SNAME FROM PARTS P, SUPPLIERS S, CATALOG C WHERE C.PID = P.PID AND C.SID = S...	6 row(s) returned	0.000 sec / 0.000 sec
33	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P WHERE P.PL...	2 row(s) returned	0.000 sec / 0.000 sec
34	20:17:13	EXPLAIN SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P W...	OK	0.000 sec

Object Info Session

24°C Partly sunny 2020 22-06-2021

MySQL Workbench

movie x airline x SUPPLIERS x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- airline
- airline_db
- banking
- movie
- order_processing
- student_enrol

Administration Schemas

Information

No object selected

Query 1

```

29 • INSERT INTO CATALOG VALUES(10004,20003,40);
30 • SELECT * FROM CATALOG;
31 /* 1 - FIND THE PNAMEs OF PARTS FOR WHICH THERE IS SOME SUPPLIER. */
32 SELECT DISTINCT P.PNAME
33 FROM PARTS P, CATALOG C
34 WHERE P.PID = C.PID;
35
36 /* FIND THE SNAMEs OF SUPPLIERS WHO SUPPLY EVERY PART */

```

Field Types

#	Field	Schema	Table	Type	Character Set
1	SID	supplier	catalog	BIGINT	binary
2	PID	supplier	catalog	BIGINT	binary
3	COST	supplier	catalog	FLOAT	binary

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE NOT...	1 row(s) returned	0.000 sec / 0.000 sec
29	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE P.C...	2 row(s) returned	0.000 sec / 0.000 sec
30	20:17:02	SELECT P.PNAME FROM PARTS P, CATALOG C, SUPPLIERS S WHERE P.PID = C.PID AND C.SID = S.SID A...	2 row(s) returned	0.000 sec / 0.000 sec
31	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE C.COST > (SELECT AVG (C1.COST) FROM CATALOG ...	2 row(s) returned	0.000 sec / 0.000 sec
32	20:17:02	SELECT P.PID, S.SNAME FROM PARTS P, SUPPLIERS S, CATALOG C WHERE C.PID = P.PID AND C.SID = S...	6 row(s) returned	0.000 sec / 0.000 sec
33	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P WHERE P.PL...	2 row(s) returned	0.000 sec / 0.000 sec
34	20:17:13	EXPLAIN SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P W...	OK	0.000 sec

Object Info Session

24°C Partly sunny 2020 22-06-2021

MySQL Workbench

movie x airline x SUPPLIERS x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- airline
- airline_db
- banking
- movie
- order_processing
- student_enrol

Administration Schemas

Information

No object selected

Query 1

```

31  /* 1 - FIND THE PNAME OF PARTS FOR WHICH THERE IS SOME SUPPLIER. */
32  SELECT DISTINCT P.PNAME
33  FROM PARTS P, CATALOG C
34  WHERE P.PID = C.PID;
35
36  /* FIND THE SHAPES OF SUPPLIERS WHO SUPPLY EVERY PART */
37  SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM
38  PARTS P WHERE NOT EXISTS (SELECT C.SID FROM CATALOG C WHERE C.SID =

```

Result Grid

Filter Rows: Exports Wrap Cell Contents

Result Grid

Form Editor

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE NOT...	1 row(s) returned	0.000 sec / 0.000 sec
29	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE P.C...	2 row(s) returned	0.000 sec / 0.000 sec
30	20:17:02	SELECT P.PNAME FROM PARTS P, CATALOG C, SUPPLIERS S WHERE P.PID = C.PID AND C.SID = S.SID A...	2 row(s) returned	0.000 sec / 0.000 sec
31	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE C.COST > (SELECT AVG (C1.COST) FROM CATALOG ...	2 row(s) returned	0.000 sec / 0.000 sec
32	20:17:02	SELECT P.PID, S.SNAME FROM PARTS P, SUPPLIERS S, CATALOG C WHERE C.PID = P.PID AND C.SID = S...	6 row(s) returned	0.000 sec / 0.000 sec
33	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P WHERE P.PI...	2 row(s) returned	0.000 sec / 0.000 sec
34	20:17:13	EXPLAIN SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P W...	OK	0.000 sec

Object Info Session

Type here to search

24°C Partly sunny 2021 22-06-2021

MySQL Workbench

movie x airline x SUPPLIERS x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- airline
- airline_db
- banking
- movie
- order_processing
- student_enrol

Administration Schemas

Information

No object selected

Query 1

```

36  /* FIND THE SHAPES OF SUPPLIERS WHO SUPPLY EVERY PART */
37  SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM
38  PARTS P WHERE NOT EXISTS (SELECT C.SID FROM CATALOG C WHERE C.SID =
39  S.SID AND C.PID = P.PID));
40
41  /* FIND THE SHAPES OF SUPPLIERS WHO SUPPLY EVERY RED PART. */
42  SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM
43  PARTS P WHERE P.COLOR = 'RED' AND (NOT EXISTS (SELECT C.SID FROM

```

Result Grid

Filter Rows: Exports Wrap Cell Contents

Result Grid

Form Editor

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE NOT...	1 row(s) returned	0.000 sec / 0.000 sec
29	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE P.C...	2 row(s) returned	0.000 sec / 0.000 sec
30	20:17:02	SELECT P.PNAME FROM PARTS P, CATALOG C, SUPPLIERS S WHERE P.PID = C.PID AND C.SID = S.SID A...	2 row(s) returned	0.000 sec / 0.000 sec
31	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE C.COST > (SELECT AVG (C1.COST) FROM CATALOG ...	2 row(s) returned	0.000 sec / 0.000 sec
32	20:17:02	SELECT P.PID, S.SNAME FROM PARTS P, SUPPLIERS S, CATALOG C WHERE C.PID = P.PID AND C.SID = S...	6 row(s) returned	0.000 sec / 0.000 sec
33	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P WHERE P.PI...	2 row(s) returned	0.000 sec / 0.000 sec
34	20:17:13	EXPLAIN SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P W...	OK	0.000 sec

Object Info Session

Type here to search

24°C Partly sunny 2021 22-06-2021

MySQL Workbench

movie x airline x SUPPLIERS

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- airline
- airline_db
- banking
- movie
- order_processing
- student_enrol

Administration Schemas

Information

No object selected

Query 1

```
36 /* FIND THE SHAPES OF SUPPLIERS WHO SUPPLY EVERY PART */
37 SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM
38 PARTS P WHERE NOT EXISTS (SELECT C.SID FROM CATALOG C WHERE C.SID =
39 S.SID AND C.PID = P.PID));
40
41 /* FIND THE SHAPES OF SUPPLIERS WHO SUPPLY EVERY RED PART. */
42 SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM
43 PARTS P WHERE P.COLOR = 'RED' AND (NOT EXISTS (SELECT C.SID FROM
```

Result Grid

Filter Rows: Exports: Wrap Cell Contents

Result Grid

Form Editor

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE NOT...	1 row(s) returned	0.000 sec / 0.000 sec
29	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE P.C...	2 row(s) returned	0.000 sec / 0.000 sec
30	20:17:02	SELECT P.PNAME FROM PARTS P, CATALOG C, SUPPLIERS S WHERE P.PID = C.PID AND C.SID = S.SID A...	2 row(s) returned	0.000 sec / 0.000 sec
31	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE C.COST > (SELECT AVG (C1.COST) FROM CATALOG ...	2 row(s) returned	0.000 sec / 0.000 sec
32	20:17:02	SELECT P.PID, S.SNAME FROM PARTS P, SUPPLIERS S, CATALOG C WHERE C.PID = P.PID AND C.SID = S...	6 row(s) returned	0.000 sec / 0.000 sec
33	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P WHERE P.PI...	2 row(s) returned	0.000 sec / 0.000 sec
34	20:17:13	EXPLAIN SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P W...	OK	0.000 sec

Object Info Session

Type here to search

24°C Partly sunny 2022 22-06-2021

MySQL Workbench

movie x airline x SUPPLIERS

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- airline
- airline_db
- banking
- movie
- order_processing
- student_enrol

Administration Schemas

Information

No object selected

Query 1

```
43 PARTS P WHERE P.COLOR = 'RED' AND (NOT EXISTS (SELECT C.SID FROM
44 CATALOG C WHERE C.SID = S.SID AND C.PID = P.PID)));
45
46 /* FIND THE P NAMES OF PARTS SUPPLIED BY ACME WIDGET SUPPLIERS AND BY NO ONE ELSE */
47 SELECT P.PNAME FROM PARTS P, CATALOG C, SUPPLIERS S WHERE P.PID
48 = C.PID AND C.SID = S.SID AND S.SNAME = 'ACME WIDGET' AND NOT EXISTS
49 (SELECT * FROM CATALOG C1, SUPPLIERS S1 WHERE P.PID = C1.PID AND
50 C1.SID = S1.SID AND S1.SNAME <> 'ACME WIDGET');
```

Result Grid

Filter Rows: Exports: Wrap Cell Contents

Result Grid

Form Editor

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE NOT...	1 row(s) returned	0.000 sec / 0.000 sec
29	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE P.C...	2 row(s) returned	0.000 sec / 0.000 sec
30	20:17:02	SELECT P.PNAME FROM PARTS P, CATALOG C, SUPPLIERS S WHERE P.PID = C.PID AND C.SID = S.SID A...	2 row(s) returned	0.000 sec / 0.000 sec
31	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE C.COST > (SELECT AVG (C1.COST) FROM CATALOG ...	2 row(s) returned	0.000 sec / 0.000 sec
32	20:17:02	SELECT P.PID, S.SNAME FROM PARTS P, SUPPLIERS S, CATALOG C WHERE C.PID = P.PID AND C.SID = S...	6 row(s) returned	0.000 sec / 0.000 sec
33	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P WHERE P.PI...	2 row(s) returned	0.000 sec / 0.000 sec
34	20:17:13	EXPLAIN SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P W...	OK	0.000 sec

Object Info Session

Type here to search

24°C Partly sunny 2022 22-06-2021

MySQL Workbench

movie x airline x SUPPLIERS x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- airline
- airline_db
- banking
- movie
- order_processing
- student_enrol

Administration Schemas

Information

No object selected

Query 1

```
59
60 /* FOR EACH PART, FIND THE SNAME OF THE SUPPLIER WHO CHARGES THE MOST FOR THAT PART.*/
61 SELECT P.PID, S.SNAME
62 FROM PARTS P, SUPPLIERS S, CATALOG C
63 WHERE C.PID = P.PID
64 AND C.SID = S.SID
65 AND C.COST = (SELECT MAX(C1.COST)
66 FROM CATALOG C1
```

Result Grid

PID	SNAME
20001	JOHNS
20001	ACME WIDGET
20002	JOHNS
20003	RELIANCE
20004	ACME WIDGET
20005	ACME WIDGET

Output

#	Time	Action	Message	Duration / Fetch
28	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE NOT...	1 row(s) returned	0.000 sec / 0.000 sec
29	20:17:02	SELECT S.SNAME FROM SUPPLIERS S WHERE NOT EXISTS (SELECT P.PID FROM PARTS P WHERE P.C...	2 row(s) returned	0.000 sec / 0.000 sec
30	20:17:02	SELECT P.PNAME FROM PARTS P, CATALOG C, SUPPLIERS S WHERE P.PID = C.PID AND C.SID = S.SID A...	2 row(s) returned	0.000 sec / 0.000 sec
31	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE C.COST > (SELECT AVG (C1.COST) FROM CATALOG ...	2 row(s) returned	0.000 sec / 0.000 sec
32	20:17:02	SELECT P.PID, S.SNAME FROM PARTS P, SUPPLIERS S, CATALOG C WHERE C.PID = P.PID AND C.SID = S...	6 row(s) returned	0.000 sec / 0.000 sec
33	20:17:02	SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P WHERE P.PL...	2 row(s) returned	0.000 sec / 0.000 sec
34	20:17:13	EXPLAIN SELECT DISTINCT C.SID FROM CATALOG C WHERE NOT EXISTS (SELECT * FROM PARTS P W...	OK	0.000 sec

Object Info Session

24°C Partly sunny 2023 22-06-2021