

	sid	sname	city
▶	1	Acme Widget Suppliers	New York
	2	Global Parts Co	London
	3	Universal Traders	Paris
✱	NULL	NULL	NULL





	pid	pname	colour
▶	101	Bolt	Red
	102	Nut	Green
	103	Screw	Red
	104	Washer	Blue
✱	NULL	NULL	NULL

Result Grid   Filter Rows:

	sid	pid	cost
▶	1	101	10
	1	102	15
	2	101	12
	2	103	14
	3	101	11
	3	102	13
	3	104	18
✱	NULL	NULL	NULL





14 • `select distinct p.pname from parts p join catalog c on p.pid=c.pid;`

15 • `select s.sname from supplier s where not exists(select p.pid from parts p where not exists(select c.pid from catalog c where c.sid=s.sid and c.pid=p.pid));`

  Filter Rows: | Export:  | Wrap Cell Content: 

pname
▶ Bolt
Nut
Screw
Washer

15 • `select s.sname from supplier s where not exists(select p.pid from parts p where not exists(select c.pid from catalog c where c.sid=s.sid and c.pid=p.pid));`

  Filter Rows: | Export:  | Wrap Cell Content: 

sname

```

16 • select s.sname from supplier s where not exists(select p.pid from parts p where p.colour='red' and not exists(select c.pid from catalog c where c.sid=s.sid and c.pid=p.pid));
17 • select distinct c1.sid from catalog c1 where c1.cost>(select avg(c2.cost) from catalog c2 where c2.pid=c1.pid);
18 • select o.pname,s.sname from parts p join catalog c on p.pid=c.pid join supplier s on c.sid=s.sid where c.cost = (select max(c2.cost) from catalog c2 where c2.pid=o.pid);

```

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

sname
Global Parts Co

```

17 • select distinct c1.sid from catalog c1 where c1.cost>(select avg(c2.cost) from catalog c2 where c2.pid=c1.pid);
18 • select p.pname,s.sname from parts p join catalog c on p.pid=c.pid join supplier s on c.sid=s.sid where c.cost = (select max(c2.cost) from catalog c2 where c2.pid=p.pid);
19 • select o.pname from parts p join catalog c1 on p.pid=c1.pid join supplier s1 on c1.sid=s1.sid where s1.sname='Acme

```

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

sid
1
2

```

17 • select distinct c1.sid from catalog c1 where c1.cost>(select avg(c2.cost) from catalog c2 where c2.pid=c1.pid);
18 • select p.pname,s.sname from parts p join catalog c on p.pid=c.pid join supplier s on c.sid=s.sid where c.cost = (select max(c2.cost) from catalog c2 where c2.pid=p.pid);
19 • select p.pname from parts p join catalog c1 on p.pid=c1.pid join supplier s1 on c1.sid=s1.sid where s1.sname='Acme Widget Suppliers' and p.pid not in(select c2.pid from catalog c2 j

```

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

pname	sname
Nut	Acme Widget Suppliers
Bolt	Global Parts Co
Screw	Global Parts Co
Washer	Universal Traders

```

19 • catalog c1 on p.pid=c1.pid join supplier s1 on c1.sid=s1.sid where s1.sname='Acme Widget Suppliers' and p.pid not in(select c2.pid from catalog c2 join supplier s2 on c2.sid=s2.sid where s2.sname <>'Acme Widget Suppliers');

```

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

pname
