CODE:

```
create table supplier (sid int(5) primary key, sname varchar(20), city varchar(20));
create table parts (pid int(5) primary key, pname varchar(20), color varchar(10));
drop table parts;
create table catalog(
sid int(5),
pid int(5),
foreign key(sid) references supplier(sid),
foreign key(pid) references parts(pid),
cost float(6));
insert into supplier values('&sid', '&sname','&city');
commit;
select * from suppliers;
insert into parts values('&pid', '&pname','&color');
commit;
select * from parts;
insert into catalog values('&sid', '&pid','&cost');
commit;
select * from catalog;
select distinct pname
from parts P, catalog C where P.pid = C.pid;
select sname from suppliers S
where not exists ((select P.pid from Parts P)
except (select C.pid from Catalog C where C.sid = S.sid));
select sname from suppliers S
WHERE NOT EXISTS (( select P.pid from Parts P
where P.colour = 'Red')
except( select C.pid from Catalog C, Parts P
```

```
where C.sid = S.sid AND C.pid = P.pid AND P.colour = 'Red' ));
```

select pname from parts where pid in(select pid from catalog where sid=(select sid from suppliers where sname='acme widget') except select pid from catalog where sid in(select sid from suppliers where sname<>'acme widget'));

SELECT DISTINCT C.sid FROM Catalog C WHERE C.cost > (SELECT AVG (C1.cost)

FROM Catalog C1 WHERE C1.pid = C.pid);

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);

TABLES:

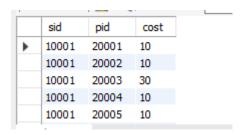
Parts

				_
	pid	pname	colour	
•	20001	Book	Red	
	20002	Book	Red	
	20003	Pencil	Green	
	20004	Mobile	Green	
	20005	Charger	Black	
	4 4			

Suppliers

		. —	
	sid	sname	address
١	0	&sname	&address
	10001	Acme Widget	Bangalore
	10002	Johns	Kolkata
	10003	Vimal	Mumbai
	10004	Reliance	Delhi
		_	

Catalog



Result:

