

```

create database Supplier;
use Supplier;
create table supplier (sid varchar(10) primary key, sname varchar(30), city varchar(30));
create table parts (pid varchar(10) primary key, pname varchar(30), color varchar(20));
-- create table catlog (sid varchar(10), pid varchar(10), cost double,
-- foreign key(sid) references supplier(sid),foreign key(pid) references parts(pid));
insert into supplier values ('S1', "Raghav Traders", "Mumbai"), ('S2', "Mehta Supplies", "Ahmedabad"),
('S3', "Kumar Industries", "Bengaluru"), ('S4', "Sharma exports", "Delhi"), ('S5', "Nair Enterprises", "Kochi");
insert into parts values ('P1', 'steel Bolt', 'Silver'), ('P2', 'Copper Nut', 'Brown'), ('P3', 'Iron Rod', 'Grey'),
('P4', 'Plastic Gear', 'Black'), ('P5', 'Brass Plate', 'Gold');
insert into catlog values ('S1', 'P3', 120), ('S2', 'P1', 45), ('S3', 'P5', 260), ('S4', 'P2', 35), ('S5', 'P4', 80);

```

```

22 • select p.pname from parts p,supplier s,catlog c
23 where p.pid=c.pid and c.sid=s.sid and sname='Mehta Supplies';
24
25

```

Result Grid	
	pname
▶	steel Bolt

```

26 • update parts
27   set color='Red'
28   where pid='P2';
29
30 • update parts
31   set color="Red"
32   where pid='P4';

```

```

25 • select c.sid from catlog c
26   where cost >(select avg(cost)
27     from catlog a
28     where c.pid=a.pid
29     group by pid);
30

```

Result Grid	
	sid
▶	S1

```
15 •    select p.pname,s.sid,s.sname from supplier s,parts p,catlog c  
16      where p.pid=c.pid and c.sid=s.sid and p.color='Red';  
17  
18  
19
```

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

	pname	sid	sname
▶	Copper Nut	S4	Sharma exports
	Plastic Gear	S5	Nair Enterprises

```
45 •    select s.sid,s.sname,c.pid from supplier s,catlog c  
46      where s.sid=c.sid and c.cost = (select max(cost)  
47                      from catlog a  
48                      where a.pid=c.pid  
49                      group by pid);  
50
```

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

	sid	sname	pid
▶	S1	Raghav Traders	P3
	S2	Mehta Supplies	P1
	S3	Kumar Industries	P5
	S4	Sharma exports	P2
	S5	Nair Enterprises	P4

```
11  
12 •    select p.pname,s.sid,s.sname from supplier s,parts p,catlog c  
13      where p.pid=c.pid and c.sid=s.sid;  
14
```

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

	pname	sid	sname
▶	Iron Rod	S1	Raghav Traders
	steel Bolt	S2	Mehta Supplies
	Brass Plate	S3	Kumar Industries
	Copper Nut	S4	Sharma exports
	Plastic Gear	S5	Nair Enterprises