DBMS LAB-3

— Query 1

```
create database Suppliers
use Suppliers;

create table supplier(
sid int,
sname char (30)
city char (30));

create table catalog (
sid int
pid int
cost int

create table parts (
pid int,
pname varchar (30)
color varchar (30)
primary key (pid));
```

—) Query 2

```
use Suppliers;
```

Query 3
use Suppliers

```
select distinct p.pname
from parts p, catalog c
where p.pid = c.pid;
```

Query 4

```
use Suppliers;

select s.name from suppliers
where not exist (
select p.pid from part p
where not exists (
select c.sid = s.sid
and c.pid = p.pid));
```

Query 5

```
use Suppliers
select sname from suppliers
where not exists
select p.pid from parts p
where p.color = 'Red'
```

```
and not exists (
select c.side from catalog c
where c.side=s.$id
and c.pid = p.pid));
```

Query 6

```
use Suppliers
select p.pname from parts p, cataloge,
suppliers
where p.pid = ci.pid
and ci.sid = s1.sid
and s1.name <> 'Acme Widget');
```

Query 7

```
use suppliers

Select distinct c.sid from catalog
where c.cost >(select avg (c.cost))
from catalog c1
where c1.pid = c.pid );
```

→ Query 8

use suppliers :

select p.pid , s.sname
from parts p supplies s , catalog c
where c.pid = p.pid
and c.pid = s.sid
and c.cost = (
  select MAX (r.cost)
  from catalog c1
  where c1.pid = p.pid);