**Suppliers( sid: integer, sname: text, address: text)  
Parts(pid: integer, pname: text, color: text)  
Catalog( sid: integer, pid: integer, cost: real)  
The Catalog contains parts supplied by a supplier at a particular cost.**

Hetsvi Navnitlal

**1. Find the names and addresses of suppliers who supply parts which cost less than $100.**

**2. Find the names of suppliers who supply parts which are either green or blue.**

**3. Find the names of suppliers who supply both a red part and a green part (at least one of each color)**

**4. Find the names of suppliers who supply every red and blue part.**

**5. Find the sids of suppliers who supply every red part or supply every blue part.**

**6. Find pairs of suppliers who supply the same part.**

1. Select sname, address

From Suppliers

Join Catalog on suppliers.sid = catalog.sid

Where cost <100;

1. Select sname

From Suppliers

Join Catalog on suppliers.sid = catalog.sid

Join Parts on Parts.pid = catalog.pid

Where color = green Or color = blue;

1. Select sname

From Supplier

Join Catalog on suppliers.sid = catalog.sid

Join Parts on Parts.pid = catalog.pid

Where color = red And color = green;

1. Select sname

From Supplier

Join Catalog on suppliers.sid = catalog.sid

Join (Select distinct pid

From Parts

Where color = red and color = ) as new on new.pid = catelog.pid;

1. Select sids

From supplier

Where color = red Or color = blue;

1. Select S1.sname, S2.sname

From suppliers S1 S2, category c1 c2

Where s1sid= c1.sid, s2.sid = c2.sid, c1.pid = c2.pid;