1. ---Find the pnames of parts for which there is some supplier.

select distinct pname from parts,catalog

where catalog.pid= parts.pid and sid is not null;



ii) ---Find the snames of suppliers who supply every part.

select suppliers.sname,catalog.sid from suppliers,catalog

where suppliers.sid = catalog.sid

group by suppliers.sname

having count(catalog.sid)=(select count(pid) from parts);



iii) ---Find the snames of suppliers who supply every red part.

select distinct s.sname from suppliers s,catalog c

where s.sid=c.sid and c.pid in(select pid from parts where color ="Red");



iv) ---Find the pnames of parts supplied by Acme Widget Suppliers and by no one else.

select pname from parts ,catalog

where parts.pid=catalog.pid and sid in (select sid from suppliers where sname ="Acme Widget");



v) ---Find the sids of suppliers who charge more for some part than the average cost of that part (averaged over all the suppliers who supply that part).

select c.sid from catalog c

where c.cost>(select avg(cost)from catalog where pid = c.pid);



vi) ---For each part, find the sname of the supplier who charges the most for that part.

select c.pid,s.sname from suppliers s,catalog c

where s.sid =c.sid and c.cost =(select max(cost) from catalog where pid =c.pid);

