1)

SELECT sname,city FROM S,SP WHERE S.sno = SP.sno AND SP.pno = 3

2)

SELECT DISTINCT P.pno,pname FROM P,S,SP WHERE P.pno = SP.pno AND S.sno = SP.sno AND S.city = "Paris" AND S.status >= 20

3)

SELECT P.pno,pname,count(\*) AS TotalSuppliers FROM P,SP WHERE P.pno = SP.pno GROUP BY SP.pno

4)

SELECT sname,sum(SP.qty) AS TotalQuantity FROM S,SP WHERE S.sno = SP.sno AND S.city = "London" GROUP BY SP.sno HAVING TotalQuantity >= 1000

5)

SELECT SupplierWeightCond.sname,SupplierWeightCond.city FROM

(

SELECT S.sno,count(\*) AS TotalShipping FROM S,SP,P WHERE S.sno = SP.sno AND P.pno = SP.pno GROUP BY S.sno

) AS SupplierTotalShipping,

(

SELECT S.sno,S.sname,S.city,count(\*) AS ShipWeight FROM S,SP,P WHERE S.sno = SP.sno AND P.pno = SP.pno AND P.weight < 4 GROUP BY S.sno

) AS SupplierWeightCond

WHERE SupplierTotalShipping.sno = SupplierWeightCond.sno AND SupplierTotalShipping.TotalShipping = SupplierWeightCond.ShipWeight

NB : Subquery 1 (SupplierTotalShipping) finds the total number of shipments made by a supplier,

Subquery2 (SupplierWeightCond) finds the total shipments made by the supplier meeting the weight requirement for the part(4 grams).

The total overall shipments is then compared to the total shipments meeting the weight requirements for each supplier,

if they are equal then ALL parts shipped by the supplier has satisfied the weight requirement.

So if Smith has a a total of 6 shipments but only 4 of his shipments were parts under 4 grams then he would not be shown