Lab 3 Solutions

**List the status and city for all s;**

**select status, city from ops$yyang00.s;**

**List all s which are located in London;**

**select \* from ops$yyang00.s where city='London';**

**List the sno and status for s located in London;**

**select sno, status from ops$yyang00.s where city='London';**

**List all p which are located in London;**

**select \* from ops$yyang00.p where city='London';**

**List all p which are not located in London;**

**select \* from ops$yyang00.p where city<>'London';**

**List all p with known weight;**

**select \* from ops$yyang00.p where weight is not null;**

**List the number of s;**

**select count(\*) from ops$yyang00.s;**

**List the number of ops$yyang00.s in each city;**

**select count(sno) num, city from ops$yyang00.s group by city;**

**List the maximum weight of parts;**

**select max(weight) from** **ops$yyang00.p;**

**List the total quantity of ops$yyang00.p delivered by s1;**

**select sum(qty) total from** **ops$yyang00.sp where sno='s1';**

**List pno for p supplied by more than one s;**

**select pno from ops$yyang00.sp group by pno having count(sno)>1;**

**List all colours of parts delivered by Obhi;**

**select distinct colour from ops$yyang00.s s, ops$yyang00.p p, ops$yyang00.sp sp where sp.sno=s.sno and sp.pno=p.pno and s.sname=’Obhi’;**

**List the names of all known collocated suppliers and parts and their city;**

**select s.sname, p.pname, s.city from ops$yyang00.s s,** **ops$yyang00.p p where s.city = p.city;**

**According to the data provide in s and p, list all possible collocated suppliers and parts and their city;**

**select s.sname, p.pname, s.city from ops$yyang00.s s,** **ops$yyang00.p p where s.city = p.city or p.city is null;**

**In each city, find out the supplier name who located in that city and delivered the highest number of parts in each delivery;**

**select sname,qty,s1.city from ops$yyang00.sp r1,** **ops$yyang00.s s1 where qty=(  
 select max(qty) from ops$yyang00.sp r2, ops$yyang00.s s2 where s1.city=s2.city and r2.sno=s2.sno)  
 and r1.sno=s1.sno;**

**List pair of suppliers located in the same city and have at least two deliveries with   
quantity equal or higher than 200.**

**select s1.sname, s2.sname  
from ops$yyang00.s s1, ops$yyang00.s s2  
where s1.city=s2.city  
and s1.sno<s2.sno and   
(select count(\*)  
from ops$yyang00.sp  
where qty>=200  
and sno=s1.sno)>=2  
and (select count(\*)  
from ops$yyang00.sp  
where qty>=200  
and sno=s2.sno)>=2;**