

Exercise 1

1. SELECT Suppliers.sname
FROM Catalog
INNER JOIN Parts ON Catalog.sid=Suppliers.sid AND
Catalog.pid=Parts.pid
WHERE color=red
2. SELECT Suppliers.sid
FROM Catalog
INNER JOIN Parts ON Catalog.sid=Suppliers.sid AND
Catalog.pid=Parts.pid
WHERE color=red OR color=green
3. SELECT Suppliers.sid
FROM Catalog
INNER JOIN Parts ON Catalog.sid=Suppliers.sid AND
Catalog.pid=Parts.pid
WHERE color=red OR address='221 Packer Street'
4. SELECT Suppliers.sid
FROM Catalog
INNER JOIN Parts ON Catalog.sid=Suppliers.sid AND
Catalog.pid=Parts.pid
WHERE color=red OR color=green
5. SELECT Suppliers.sid
FROM Catalog
INNER JOIN Parts ON Catalog.sid=Suppliers.sid AND
Catalog.pid=Parts.pid
WHERE color=red OR color=green

6. SELECT Catalog.sid
FROM Catalog AS B
INNER JOIN Catalog ON Catalog.sid=Suppliers.sid
WHERE Catalog.cost>B.cost
7. SELECT Catalog.pid
FROM Catalog
INNER JOIN Parts ON Catalog.sid=Suppliers.sid AND
Catalog.pid=Parts.pid
WHERE sid in (SELECT sid FROM Catalog GROUP BY sid HAVING
COUNT(sid)=1)
8. SELECT AVG(c1.cost)
FROM Catalog c1
INNER JOIN Parts ON Catalog.sid=Suppliers.sid AND
Catalog.pid=Parts.pid
WHERE color=red AND color=green AND catalog.sid=c1.sid
9. SELECT Suppliers.sid
FROM Catalog
INNER JOIN Parts ON Catalog.sid=Suppliers.sid AND
Catalog.pid=Parts.pid
WHERE cost>=50