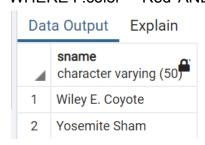
1)
SELECT DISTINCT S.sname
FROM Suppliers AS S, Parts AS P, Catalog AS C
WHERE P.color = 'Red' AND P.pid = C.pid AND C.sid = S.sid

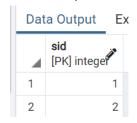


2)

SELECT DISTINCT S.sid

FROM Suppliers AS S, Parts AS P, Catalog AS C

WHERE (P.color = 'Red' OR P.color = 'Green') AND P.pid = C.pid AND C.sid = S.sid

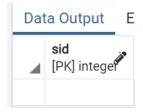


3)

SELECT DISTINCT S.sid

FROM Suppliers AS S, Parts AS P, Catalog AS C
WHERE (P.color = 'Red' AND S.address = '221 Packer Street' AND

P.color = 'Green' AND P.pid = C.pid AND C.sid = S.sid)



```
4)
SELECT C.sid
FROM Catalog as C,
SELECT*
FROM Parts
WHERE color = 'Red' or color = 'Green'
) P
WHERE C.pid = P.pid group by C.sid having count(*) =
SELECT COUNT(*)
FROM Parts
WHERE color = 'Red' or color = 'Green'
  Data Output
     sid
     intege
  1
5)
(SELECT C.sid
FROM Catalog as C,
SELECT*
FROM Parts
WHERE color = 'Red'
WHERE C.pid = P.pid group by C.sid having count(*) =
SELECT COUNT(*)
FROM Parts
WHERE color = 'Red'
))
UNION
(SELECT C.sid
FROM Catalog as C,
SELECT*
FROM Parts
WHERE color = 'Green'
WHERE C.pid = P.pid group by C.sid having count(*) =
```

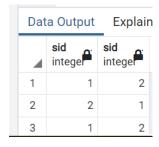
(
SELECT COUNT(*)
FROM Parts
WHERE color = 'Green'
))

Data Output

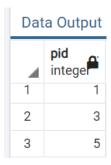
sid
intege

1 1
2 2

6)
SELECT C1.sid, C2.sid
FROM Catalog as C1 INNER JOIN Catalog as C2 ON C1.pid = C2.pid and C1.cost > C2.cost



7)
SELECT DISTINCT C1.pid
FROM Catalog as C1 INNER JOIN Catalog as C2 ON C1.pid = C2.pid and C1.sid
!= C2.sid



8)
SELECT sid, AVG(cost)
FROM Catalog as C INNER JOIN Parts as P ON C.pid = P.pid
WHERE color = 'Red' or color = 'Green' group by sid



9)
SELECT DISTINCT C.sid
FROM Suppliers AS S, Parts AS P, Catalog AS C
WHERE (C.cost >= 50.00)

