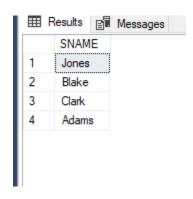
Lab 2 Part 2

```
Question 1
```

Statement: SELECT SNAME
FROM supplier
WHERE NOT EXISTS
(

SELECT PNO
FROM shipment
WHERE PNO = 'P3'
AND supplier.SNO = shipment.SNO
);

Output:



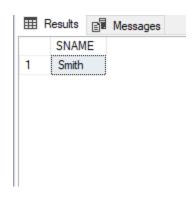
Question 2

Statement: SELECT SNAME

```
FROM supplier AS S1
WHERE EXISTS
(

SELECT SP.SNO
FROM shipment AS SP JOIN parts AS P
ON SP.PNO = P.PNO
WHERE P.COLOR = 'Red'
AND S1.SNO = SP.SNO
GROUP BY SP.SNO
HAVING COUNT(*) > 1
);
```

Output:



Question 3

Statement: **SELECT SNAME**

```
FROM supplier AS S
WHERE EXISTS
(

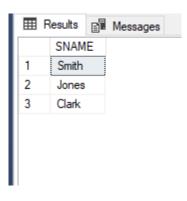
SELECT P1.PNO
FROM parts AS P1 JOIN shipment AS SP1
ON P1.PNO = SP1.PNO
```

```
WHERE P1.COLOR = 'Red'
AND S.SNO = SP1.SNO
)

AND EXISTS
(

SELECT P2.PNO
FROM parts AS P2 JOIN shipment AS SP2
ON P2.PNO = SP2.PNO
WHERE P2.PNO = 'P2'
AND S.SNO = SP2.SNO
);
```

Output:



Question 4

Statement:

Output:

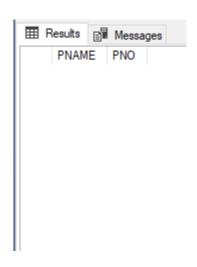
	PNO	SNAME
1	P1	Smith
2	P2	Smith
3	P4	Smith
4	P5	Smith
5	P1	Jones
6	P2	Jones
7	P2	Blake
8	P2	Clark
9	P4	Clark
10	P5	Clark

Question 5

Statement:

SELECT PNAME, PNO FROM parts AS P WHERE NOT EXISTS

Output:

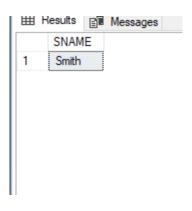


Question 6

Statement:

```
SELECT SNAME
FROM supplier AS S1
WHERE NOT EXISTS
(
       SELECT *
       FROM parts AS P1, shipment AS SP1
       WHERE P1.PNO = SP1.PNO
       AND P1.PNO IN
       (
              SELECT P2.PNO
              FROM parts AS P2
              WHERE P2.COLOR = 'Red'
       AND NOT EXISTS
              SELECT *
              FROM shipment AS SP2
              WHERE SP2.SNO = S1.SNO
              AND P1.PN0 = SP2.PN0
);
```

Output:



Question 7

Statement:

```
SELECT S1.SNAME
FROM supplier AS S1
WHERE NOT EXISTS
       SELECT *
       FROM parts AS P1
       WHERE EXISTS
              SELECT *
              FROM parts AS P2, shipment AS SP1
              WHERE NOT (P1.STORECITY = 'London')
              AND SP1.PN0 = P1.PN0
              AND SP1.SN0 = S1.SN0
AND NOT EXISTS
              SELECT *
              FROM parts AS P3, shipment AS SP2
              WHERE SP2.PNO = P3.PNO
              AND SP2.SN0 = S1.SN0
);
```

Output:

