Exists:

1. Write a query to find the parts that have been shipped

2. Write a query to find the parts that have been shipped by supplier S2.

Division

3. Write a query to find the suppliers that ship all the parts.

We can say: Find a supplier on condition that not exists /any part this supplier did not ship.

See supplier Sno='ABC'. Part this supplier did not ship.

```
SELECT *
FROM Part
WHERE PNo NOT IN (SELECT PNo
FROM Shipment sh
WHERE sh.Sno='ABC')
```

Find supplier Sno='ABC' on condition that not exists any part this supplier did not ship.

```
SELECT *
FROM
       Supplier s
WHERE Sno='ABC'
       AND NOT EXISTS
                            (SELECT
                                  Part
                            FROM
                            WHERE PNo NOT IN (SELECT
                                                        PNo
                                                 FROM
                                                        Shipment sh
                                                 WHERE sh.Sno='ABC'))
SELECT *
FROM Supplier s
WHERE Sno='ABC'
       AND NOT EXISTS
                            (SELECT
                            FROM
                                  Part
                            WHERE PNo NOT IN (SELECT
                                                        PNo
                                                        Shipment sh
                                                 FROM
                                                 WHERE sh.Sno=s.Sno))
Final:
SELECT *
FROM
      Supplier s
WHERE NOT EXISTS
                            (SELECT
                            FROM
                                  Part
                            WHERE PNo NOT IN (SELECT
                                                        PNo
                                                 FROM
                                                        Shipment sh
                                                 WHERE sh.SNo=s.SNo))
```