

CS313, Lab – 3

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Q.5]

1. Query:

SELECT * FROM part, supplier, shipment WHERE part.colour = 'red' AND part.part_no = shipment.part_no AND supplier.supplier_no = shipment.supplier_no;

Output:

```
lab3-> SELECT * FROM part, supplier, shipment WHERE part.colour = 'red' AND part.part_no = shipment.part_no AND supplier.supplier_no = shipment.supplier_no;
part_no | part_name | colour | weight | supplier_no | sup_name | city | bank | shipment_no | part_no | supplier_no | date | quantity | price
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----
1 | Part1 | red | 4 | 1 | Supplier1 | Mumbai | SBI | 1 | 1 | 1 | 2020-09-19 | 4 | ? 10.00
1 | Part1 | red | 4 | 2 | Supplier2 | Chennai | Kotak | 4 | 1 | 2 | 2020-06-19 | 7 | ? 40.00
1 | Part1 | red | 4 | 1 | Supplier1 | Mumbai | SBI | 7 | 1 | 1 | 2020-09-19 | 1 | ? 70.00
1 | Part1 | red | 4 | 2 | Supplier2 | Chennai | Kotak | 8 | 1 | 2 | 2020-08-19 | 2 | ? 80.00
(4 rows)
```

2. Query:

SELECT SUM(shipment.price), supplier.supplier_no FROM part, supplier, shipment WHERE shipment.supplier_no = supplier.supplier_no AND part.part_no = shipment.part_no group by supplier.supplier_no;

Output:

```
lab3-> SELECT SUM(shipment.price), supplier.supplier_no FROM part, supplier, shipment WHERE shipment.supplier_no = supplier.supplier_no AND part.part_no = shipment.part_no group by supplier.supplier_no;
sum | supplier_no
-----+-----
? 270.00 | 1
? 240.00 | 2
(2 rows)
```

3. Query:

SELECT supplier.supplier_no FROM part, supplier, shipment WHERE shipment.supplier_no = supplier.supplier_no AND part.part_no = shipment.part_no group by supplier.supplier_no having COUNT (DISTINCT part.part_no) = (SELECT COUNT (DISTINCT part_no) FROM part);

Output:

```
lab3-> SELECT supplier.supplier_no FROM part, supplier, shipment WHERE shipment.supplier_no = supplier.supplier_no AND part.part_no = shipment.part_no group by supplier.supplier_no having COUNT (DISTINCT part.part_no) = (SELECT COUNT (DISTINCT part_no) FROM part);
supplier_no
-----+-----
1
2
(2 rows)
```