

## Assignment 1 Task 5

(i) Find the total quantity of parts ordered by the customers living in a given city (attribute C\_ADDRESS).

```
SELECT SUM(L_QUANTITY)
FROM LINEITEM
JOIN ORDERS
ON L_ORDERKEY = O_ORDERKEY
JOIN CUSTOMERS
ON O_CUSTKEY = C_CUSTKEY
WHERE C_ADDRESS = '%address% '
```

### LINEITEM, ORDERS, CUSTOMER

(ii) Find the names of parts included in the orders that have a given shipment date (attribute L\_SHIPDATE).

```
SELECT P_NAME
FROM PART
JOIN LINEITEM
ON L_PARTKEY = P_PARTKEY
WHERE L_SHIPDATE NOT NULL;
```

### PART, LINEITEM

(iii) Find the names of parts shipped by the suppliers from a given city (attribute S\_ADDRESS).

```
SELECT P_NAME
FROM PART
JOIN PARTSUPP
ON PS_PARTKEY = P_PARTKEY
JOIN SUPPLIER
ON PS_SUPPKEY = S_SUPPKEY
WHERE S_ADDRESS = '%address% '
```

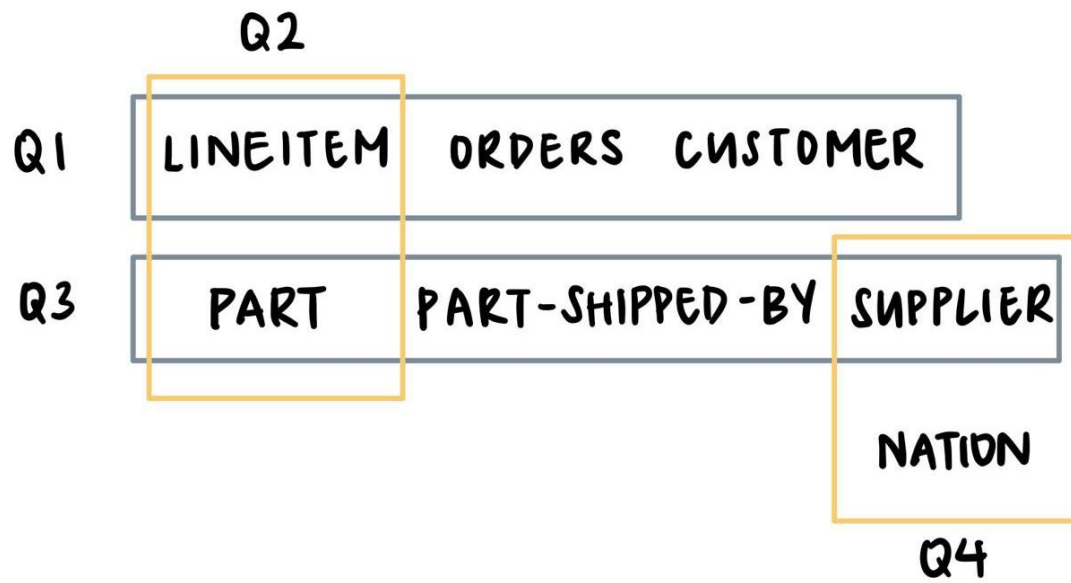
### PART, PARTSUPP, SUPPLIER

(iv) Find the names of suppliers who live in a given country (attribute N\_NAME).

```
SELECT S_NAME
FROM SUPPLIER
JOIN NATION
ON S_NATIONKEY = N_NATIONKEY
WHERE N_NAME = '%name% '
```

### SUPPLIER, NATION

(1)



(2)

DRIVE\_C : LINEITEM, PART-SHIPPED-BY, NATION

DRIVE\_D: PART, ORDERS, SUPPLIER, CUSTOMER