

● Top 3 Queries:

1) Find the lowest price for a particular item.

-->

```
SELECT DIS.DEALERID, R.ITEMID, R.ITEMNAME, PRICE
```

```
FROM
```

```
(
```

```
  SELECT
```

```
    I.ITEMID,
```

```
    I.ITEMNAME,
```

```
    MIN(RATE) AS PRICE
```

```
  FROM
```

```
    DISPLAYITEM D
```

```
  JOIN ITEM I ON D.ITEMID = I.ITEMID
```

```
  WHERE
```

```
    I.ITEMID = 'I024'
```

```
  GROUP BY
```

```
    I.ITEMID
```

```
) AS R
```

```
JOIN DISPLAYITEM DIS ON R.ITEMID = DIS.ITEMID
```

| | dealerid character varying (10) 🔒 | itemid character varying (10) 🔒 | itemname character varying (20) 🔒 | price double precision 🔒 |
|---|--------------------------------------|------------------------------------|--------------------------------------|-----------------------------|
| 1 | D2400009 | I024 | Seeder | 175 |
| 2 | D2400006 | I024 | Seeder | 175 |

2)List the totalcost of a particular crop bought by a buyer from different farmers.

SELECT BST.BUYERID, BST.FARMERID, C.CROPNAME, SUM(BST.QTYBOUGHT *
DC.RATE + BST.FREIGHTCHARGES) **AS** TOTALCOST

FROM

BUYERSUPPLYTRANSACTION BST

JOIN DISPLAYCROP DC **ON** BST.CROPID = DC.CROPID

AND BST.FARMERID = DC.FARMERID

JOIN CROP C **ON** BST.CROPID = C.CROPID

WHERE

BST.CROPID = 'G006'

AND BST.BUYERID = 'B2400006'

GROUP BY

BST.BUYERID,

BST.FARMERID,

C.CROPNAME;

| | buyerid character varying (10) 🔒 | farmerid character varying (10) 🔒 | cropname character varying (20) 🔒 | totalcost double precision 🔒 |
|---|-------------------------------------|--------------------------------------|--------------------------------------|---------------------------------|
| 1 | B2400006 | F2400006 | Jowar (Sorghum) | 2975.5 |

3) List the transport providers who have r

SELECT DISTINCT R.USERID **AS** TRANSPORTPROVIDERID, R.FIRSTNAME,
R.LASTNAME

FROM

REGISTERS R

JOIN FARMERSUPPLYTRANSACTION FST **ON** R.USERID =
FST.TRANSPORTPROVIDERID

WHERE

R.USERID **NOT IN** (

SELECT

TRANSPORTPROVIDERID

FROM

FARMERSUPPLYTRANSACTION

WHERE

DELIVEREDDATE > DELIVERYDATE

);

| | transportproviderid character varying (10) | firstname character varying (15) | lastname character varying (15) |
|---|---|-------------------------------------|------------------------------------|
| 1 | T2400012 | Surya | Katkoriya |
| 2 | T2400008 | Rupal | Patel |
| 3 | T2400007 | Kavya | Shah |
| 4 | T2400009 | Aarav | Joshi |
| 5 | T2400001 | Kajal | Gohil |
| 6 | T2400003 | Hina | Rana |
| 7 | T2400002 | Tarun | Soni |
| 8 | T2400011 | Rajesh | Gadhe |
| 9 | T2400005 | Mansi | Joshi |