

#### Query 4

```
SELECT
    CALQUARTER,
    NAME,
    ZIP,
    SUM (EstCost),
    SUM (Transactions)
FROM
    (
        SELECT DISTINCT
            CALQUARTER,
            NAME,
            ZIP,
            SUM (SUMEXTCOST) AS EstCost,
            SUM (COUNTTRANSACTIONS) AS Transactions
        FROM
            SALESBYVENDORDATEKEYMV2011,
            Date_Dim,
            CUST_VENDOR_DIM
        WHERE
            SALESBYVENDORDATEKEYMV2011.DATEKEY = DATE_DIM.DATEKEY
            AND SALESBYVENDORDATEKEYMV2011.CUSTVENDORKEY =
CUST_VENDOR_DIM.CUSTVENDORKEY
        GROUP BY
            (CALQUARTER, NAME, ZIP)
        UNION
        SELECT
            CALQUARTER,
            NAME,
            ZIP,
            SUM (SUMEXTCOST) AS EstCost,
            SUM (COUNTTRANSACTIONS) AS Transactions
        FROM
            SALESBYVENDORDATEKEYMV2012,
            Date_Dim,
            CUST_VENDOR_DIM
        WHERE
            SALESBYVENDORDATEKEYMV2012.DATEKEY =
DATE_DIM.DATEKEY
            AND SALESBYVENDORDATEKEYMV2012.CUSTVENDORKEY =
CUST_VENDOR_DIM.CUSTVENDORKEY
        GROUP BY
            (CALQUARTER, NAME, ZIP)
        ORDER BY
            CALQUARTER,
            NAME,
            ZIP
    )
)
```

GROUP BY  
CUBE (CALQUARTER, NAME, ZIP);

Oracle SQL Developer: CC

Connections

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Worksheet

```
SELECT
  CALQUARTER,
  NAME,
  ZIP,
  SUM (EstCost),
  SUM (Transactions)
FROM
  (
    SELECT DISTINCT
      CALQUARTER,
      NAME,
      ZIP,
      SUM (SUMXESTCOST) AS EstCost,
      SUM (COUNTTRANSACTIONS) AS Transactions
    FROM
      SALESBYVENDORDATEKEYMV2011,
      Date_Dim,
      CUST_VENDOR_DIM
    WHERE
      SALESBYVENDORDATEKEYMV2011.DATEKEY = DATE_DIM.DATEKEY
      AND SALESBYVENDORDATEKEYMV2011.CUSTVENDORKEY = CUST_VENDOR_DIM.CUSTVENDORKEY
    GROUP BY
      (CALQUARTER, NAME, ZIP)
  )
UNION
SELECT
  CALQUARTER,
  NAME,
  ZIP,
  SUM (SUMXESTCOST) AS EstCost,
  SUM (COUNTTRANSACTIONS) AS Transactions
FROM
  SALESBYVENDORDATEKEYMV2012,
  Date_Dim
```

Script Output

Task completed in 0.344 seconds

4 Customer 17		9183044	93
4 Customer 17	10231	9183044	93
4 Customer 18		11290226	114
4 Customer 18	80293	11290226	114
4 Customer 19		11083544	110
4 Customer 19	84194	11083544	110
4 Customer 20		10201654	105
4 Customer 20	90101	10201654	105

305 rows selected

Line 46 Column 32 | Insert | Modified | Windows | C