

## Using Oracle

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```
SELECT CalQuarter, Zip, Name, SUM(ExtCost) as SumExtCost, COUNT(*) as NoOfTransactions
FROM inventory_fact, Date_dim, cust_vendor_dim
WHERE inventory_fact.DateKey = Date_dim.DateKey
      AND inventory_fact.CustVendorKey = cust_vendor_dim.CustVendorKey
      AND TransTypeKey = 5
      AND (CalYear = 2011 OR CalYear = 2012)
GROUP BY GROUPING SETS ((CalQuarter, Zip, Name), (CalQuarter, Zip), (CalQuarter, Name), (Zip,
Name), CalQuarter, Zip, Name, ())
ORDER BY CalQuarter, Zip, Name;
```

|    | CALQUARTER | ZIP     | NAME        | SUMEXTCOST | NOOFTRANSACTIONS |
|----|------------|---------|-------------|------------|------------------|
| 1  |            | 1 02162 | Customer 11 | 9082032    | 94               |
| 2  |            | 1 02162 | (null)      | 9082032    | 94               |
| 3  |            | 1 10231 | Customer 17 | 10594965   | 103              |
| 4  |            | 1 10231 | (null)      | 10594965   | 103              |
| 5  |            | 1 10251 | Customer 2  | 11075812   | 102              |
| 6  |            | 1 10251 | (null)      | 11075812   | 102              |
| 7  |            | 1 19084 | Customer 9  | 12227671   | 114              |
| 8  |            | 1 19084 | (null)      | 12227671   | 114              |
| 9  |            | 1 20054 | Customer 12 | 11000482   | 114              |
| 10 |            | 1 20054 | (null)      | 11000482   | 114              |
| 11 |            | 1 30385 | Customer 15 | 10509024   | 101              |
| 12 |            | 1 30385 | (null)      | 10509024   | 101              |
| 13 |            | 1 33165 | Customer 13 | 10095025   | 112              |