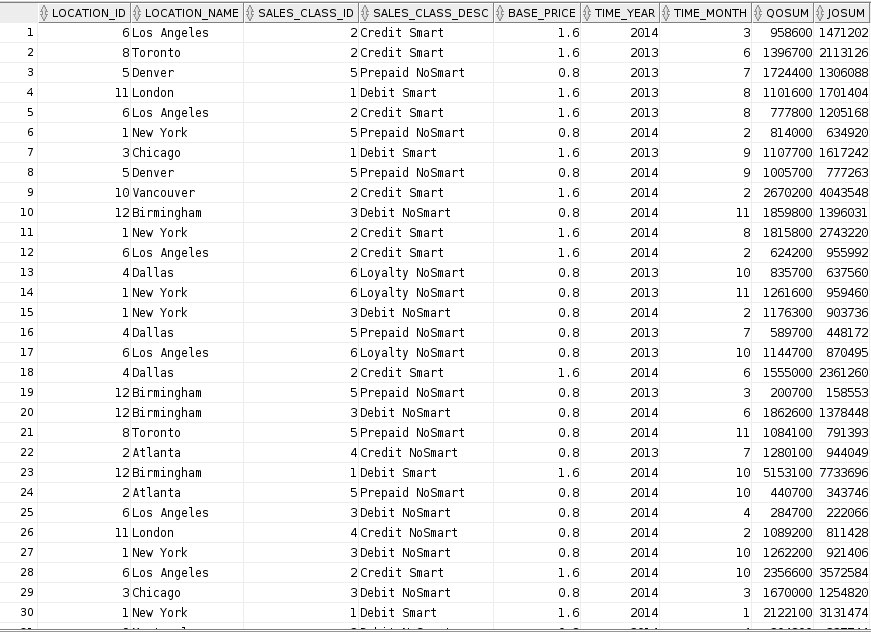
1. BQ1

SELECT l.location\_id,   
       l.location\_name,   
       s.sales\_class\_id,   
       s.sales\_class\_desc,   
       s.base\_price,   
       d.time\_year,   
       d.time\_month,   
       **SUM**(f.quantity\_ordered)                AS QOSum,   
       **SUM**(f.quantity\_ordered \* f.unit\_price) AS JOSum   
FROM   w\_location\_d l,   
       w\_sales\_class\_d s,   
       w\_time\_d d,   
       w\_job\_f f   
WHERE  l.location\_id = f.location\_id   
       AND s.sales\_class\_id = f.sales\_class\_id   
       AND d.time\_id = f.contract\_date   
GROUP  BY l.location\_id,   
          l.location\_name,   
          s.sales\_class\_id,   
          s.sales\_class\_desc,   
          s.base\_price,   
          d.time\_year,   
          d.time\_month

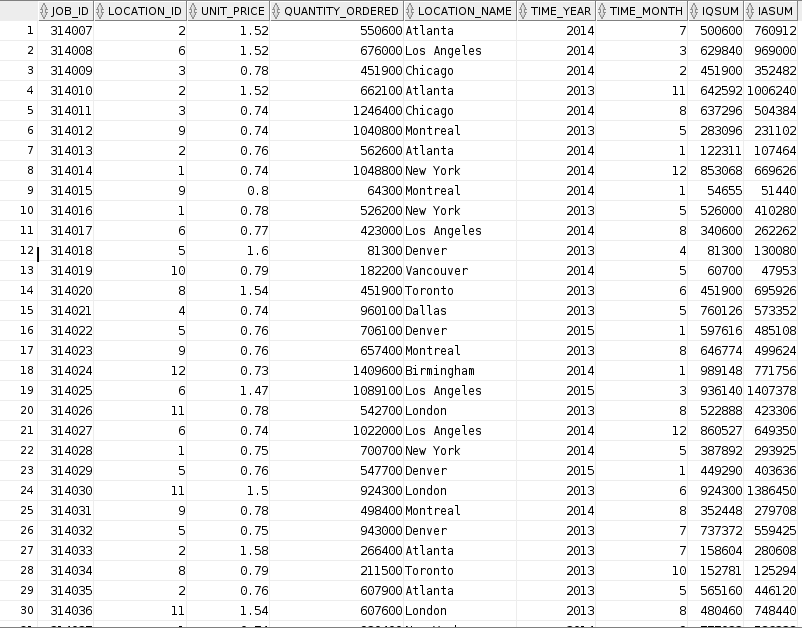


2. BQ2

CREATE VIEW invoice\_summary   
AS   
  SELECT sj.job\_id,   
         **SUM**(invoice\_quantity) AS IQSum,   
         **SUM**(invoice\_amount)   AS IASum   
  FROM   w\_sub\_job\_f sj,   
         w\_job\_shipment\_f js,   
         w\_invoiceline\_f i   
  WHERE  sj.sub\_job\_id = js.sub\_job\_id   
         AND js.invoice\_id = i.invoice\_id   
  GROUP  BY sj.job\_id

;   
  
SELECT j.job\_id,   
       j.location\_id,   
       j.unit\_price,   
       j.quantity\_ordered,   
       l.location\_name,   
       t.time\_year,   
       t.time\_month,   
       invoice\_summary.iqsum,   
       invoice\_summary.iasum   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       w\_time\_d t,   
       invoice\_summary   
WHERE  j.location\_id = l.location\_id   
       AND j.contract\_date = t.time\_id   
       AND j.job\_id = invoice\_summary.job\_id

;

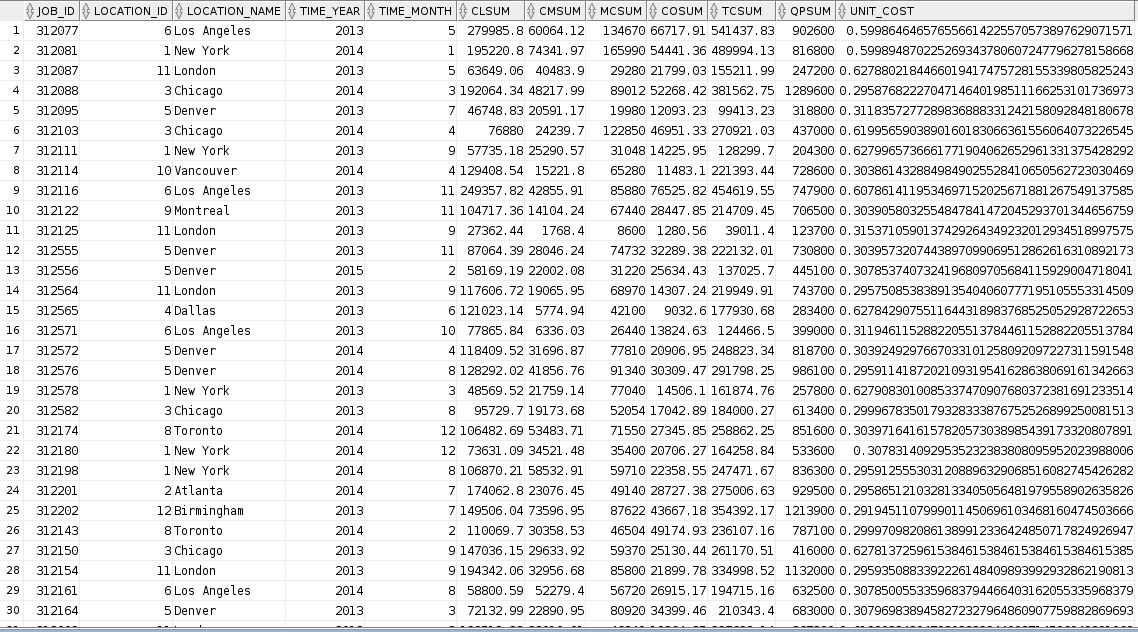


3. BQ3

CREATE VIEW machine\_costs   
AS   
  SELECT sj.sub\_job\_id,   
         sj.machine\_hours \* m.rate\_per\_hour AS Machine\_Costs   
  FROM   w\_sub\_job\_f sj,   
         w\_machine\_type\_d m   
  WHERE  sj.machine\_type\_id = m.machine\_type\_id

;   
  
SELECT j.job\_id,   
       j.location\_id,   
       l.location\_name,   
       t.time\_year,   
       t.time\_month,   
       **SUM**(sj.cost\_labor)                                      AS CLSum,   
       **SUM**(sj.cost\_material)                                   AS CMSum,   
       **SUM**(mc.machine\_costs)                                   AS MCSum,   
       **SUM**(sj.cost\_overhead)                                   AS COSum,   
       **SUM**(sj.cost\_labor) + **SUM**(sj.cost\_material)   
       + **SUM**(mc.machine\_costs)   
       + **SUM**(sj.cost\_overhead)                                 AS TCSum,   
       **SUM**(sj.quantity\_produced)                               AS QPSum,   
       ( **SUM**(sj.cost\_labor) + **SUM**(sj.cost\_material)   
         + **SUM**(mc.machine\_costs)   
         + **SUM**(sj.cost\_overhead) ) / **SUM**(sj.quantity\_produced) AS Unit\_Cost   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       w\_time\_d t,   
       w\_sub\_job\_f sj,   
       machine\_costs mc   
WHERE  j.location\_id = l.location\_id   
       AND j.contract\_date = t.time\_id   
       AND j.job\_id = sj.job\_id   
       AND sj.sub\_job\_id = mc.sub\_job\_id   
GROUP  BY j.job\_id,   
          j.location\_id,   
          l.location\_name,   
          t.time\_year,   
          t.time\_month

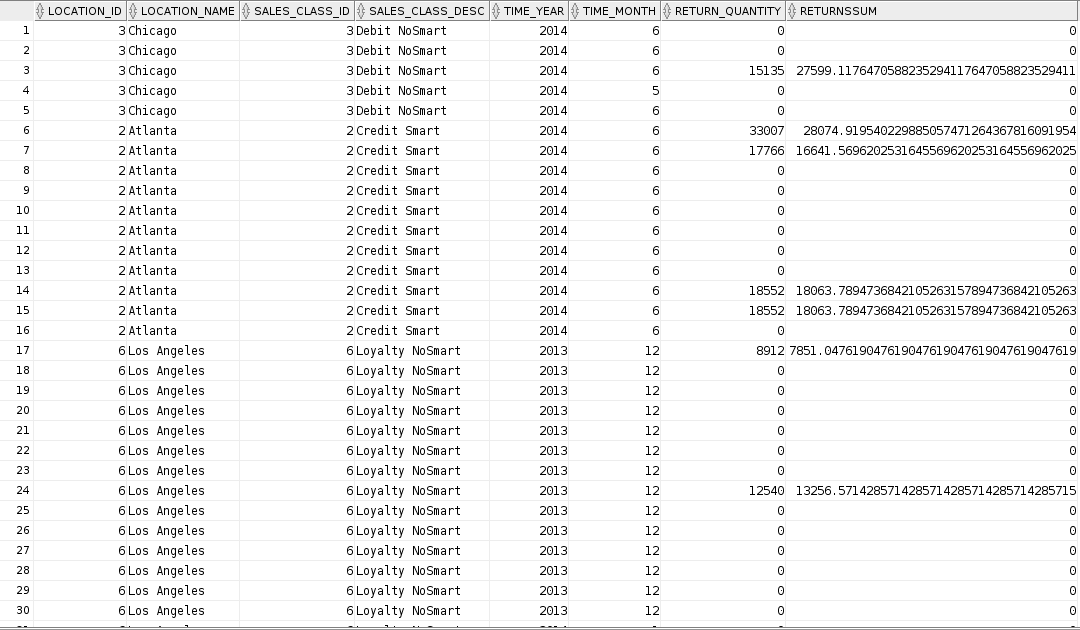
;



4. BQ4

SELECT l.location\_id,   
       l.location\_name,   
       sc.sales\_class\_id,   
       sc.sales\_class\_desc,   
       t.time\_year,   
       t.time\_month,   
       i.quantity\_shipped - i.invoice\_quantity   AS Return\_Quantity,   
       ( i.invoice\_amount / i.invoice\_quantity ) \* (   
       i.quantity\_shipped - i.invoice\_quantity ) AS ReturnsSum   
FROM   w\_location\_d l,   
       w\_sales\_class\_d sc,   
       w\_invoiceline\_f i,   
       w\_time\_d t   
WHERE  l.location\_id = i.location\_id   
       AND sc.sales\_class\_id = i.location\_id   
       AND i.invoice\_sent\_date = t.time\_id

;

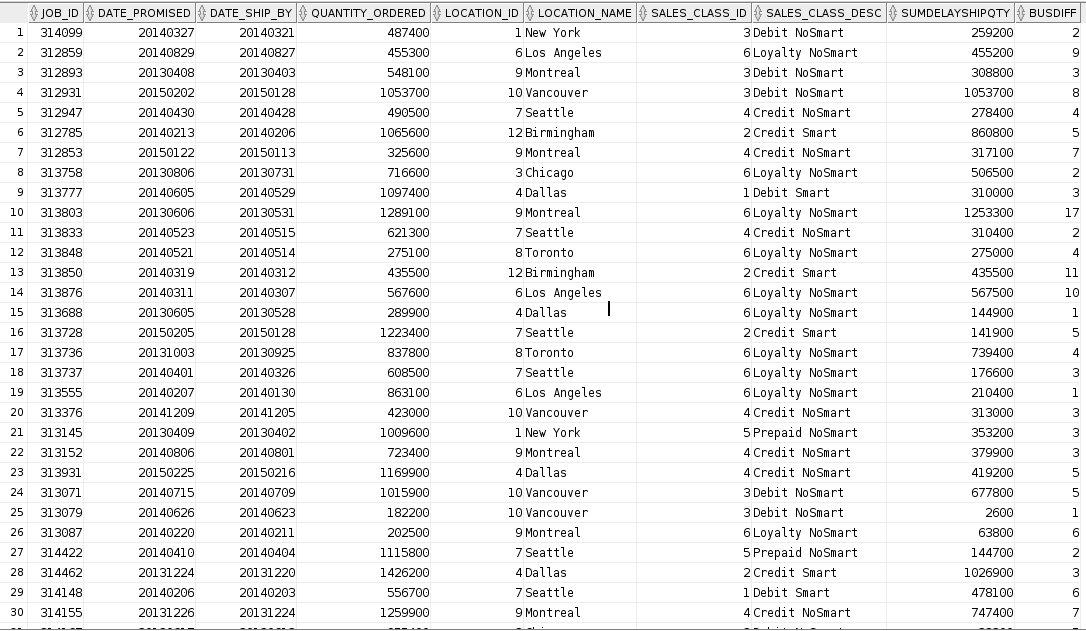


5. BQ5

CREATE VIEW shipment\_delays   
AS   
  SELECT w\_sub\_job\_f.job\_id,   
         **Max**(actual\_ship\_date) AS Last\_Shipment\_Date,   
         **SUM** (actual\_quantity) AS SumDelayShipQty   
  FROM   w\_job\_shipment\_f,   
         w\_sub\_job\_f,   
         w\_job\_f   
  WHERE  w\_sub\_job\_f.sub\_job\_id = w\_job\_shipment\_f.sub\_job\_id   
         AND w\_job\_f.job\_id = w\_sub\_job\_f.job\_id   
         AND actual\_ship\_date > date\_promised   
  GROUP  BY w\_sub\_job\_f.job\_id

;   
  
SELECT j.job\_id,   
       j.date\_promised,   
       j.date\_ship\_by,   
       j.quantity\_ordered,   
       l.location\_id,   
       l.location\_name,   
       sc.sales\_class\_id,   
       sc.sales\_class\_desc,   
       x.sumdelayshipqty,   
       **Getbusdaysdiff**(x.last\_shipment\_date, j.date\_promised) AS BusDiff   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       w\_sales\_class\_d sc,   
       shipment\_delays x   
WHERE  j.location\_id = l.location\_id   
       AND sc.sales\_class\_id = j.sales\_class\_id   
       AND j.job\_id = x.job\_id

;



6. BQ6

CREATE VIEW firstship   
AS   
  SELECT w\_sub\_job\_f.job\_id,   
         **Min**(actual\_ship\_date) AS FirstShipDate   
  FROM   w\_job\_shipment\_f,   
         w\_sub\_job\_f   
  WHERE  w\_sub\_job\_f.sub\_job\_id = w\_job\_shipment\_f.sub\_job\_id   
  GROUP  BY w\_sub\_job\_f.job\_id

;   
  
SELECT j.job\_id,   
       j.location\_id,   
       l.location\_name,   
       j.sales\_class\_id,   
       sc.sales\_class\_desc,   
       j.date\_ship\_by,   
       x.firstshipdate,   
       **Getbusdaysdiff**(j.contract\_date, x.firstshipdate) AS BusDiff   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       w\_sales\_class\_d sc,   
       firstship x   
WHERE  j.location\_id = l.location\_id   
       AND j.sales\_class\_id = sc.sales\_class\_id   
       AND j.job\_id = x.job\_id

;

