**Q1:**

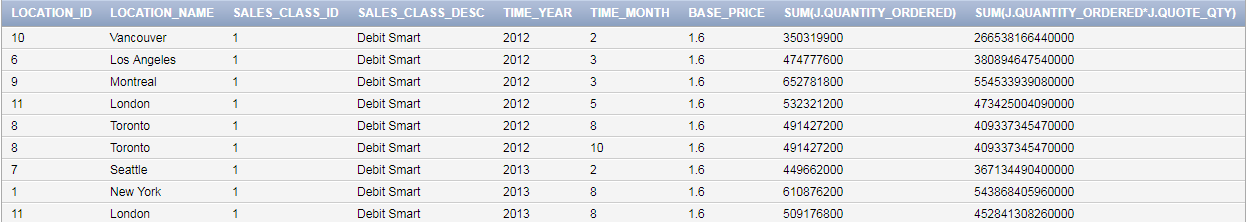
Select l.location\_id,l.location\_name,c.Sales\_class\_id,c.sales\_class\_desc,t.time\_year,t.time\_month,c.base\_price,sum(j.quantity\_ordered),sum(j.quantity\_ordered\*j.quote\_qty)

from w\_location\_d l,w\_sales\_class\_d c,w\_job\_f j,w\_time\_d t

where j.sales\_class\_id=c.sales\_class\_id and

j.location\_id=l.location\_id

group by l.location\_id,l.location\_name,c.sales\_class\_id,c.sales\_class\_desc,c.base\_price,t.time\_year,t.time\_month;



**Q2:**

create view BQ2 as

select j.job\_id,j.location\_id,j.unit\_price,j.quantity\_ordered,t.time\_year,t.time\_month,sum(i.invoice\_amount)as suminvoiceamount,sum(invoice\_quantity)as invoiceQuantity

from w\_job\_f j,w\_time\_d t,w\_invoiceline\_f i

where

j.location\_id=i.location\_id and

j.sales\_class\_id=i.sales\_class\_id and

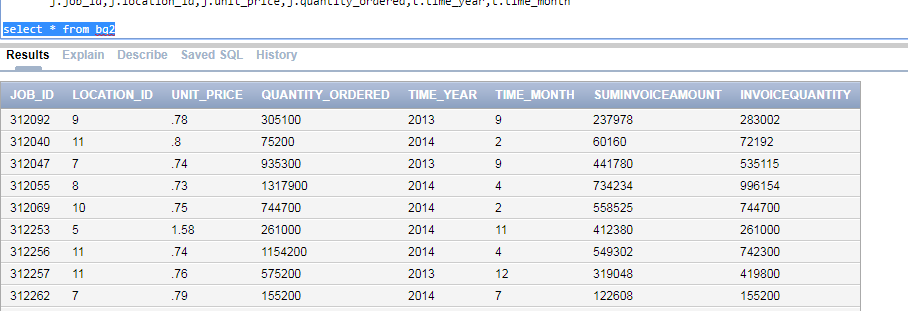
j.sales\_agent\_id=i.sales\_agent\_id and

j.cust\_id\_ordered\_by=i.cust\_key and

t.time\_id=j.contract\_date

group by

j.job\_id,j.location\_id,j.unit\_price,j.quantity\_ordered,t.time\_year,t.time\_month



**Q3:**

create view BQ3

as

select j.job\_id, j.location\_id, l.location\_name,

t.time\_year, t.time\_month,

sum(sj.cost\_labor)as sumcost\_labor,

sum(sj.cost\_material)as sumcost\_material,

sum(sj.machine\_hours\*m.rate\_per\_hour)as sumcost\_machine,

sum(sj.cost\_overhead)as sumcost\_overhead,

sum(sj.cost\_labor+sj.cost\_material+(sj.machine\_hours\*m.rate\_per\_hour)+sj.cost\_overhead)as total\_costs,

sum(sj.quantity\_produced)as quantity\_prod,

sum((sj.cost\_labor+sj.cost\_material+(sj.machine\_hours\*m.rate\_per\_hour)+sj.cost\_overhead)/sj.quantity\_produced)as unit\_cost

from w\_job\_f j, w\_location\_d l, w\_time\_d t, w\_sub\_job\_f sj, w\_machine\_type\_d m

where

t.time\_id = j.contract\_date and

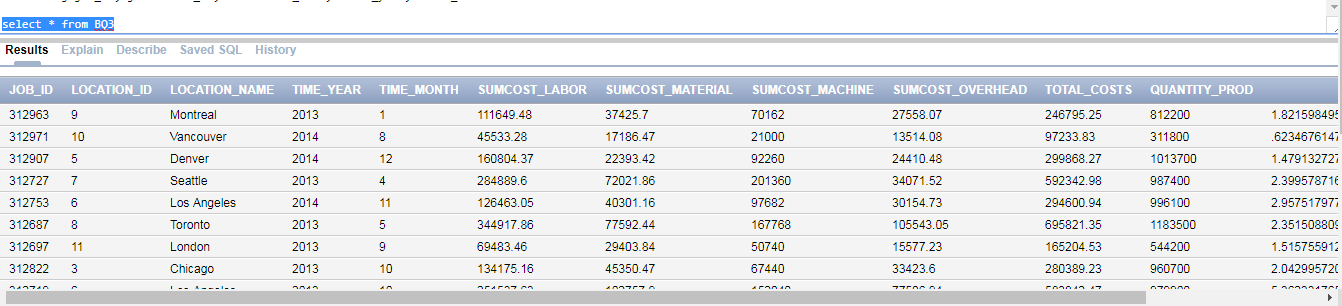
sj.job\_id = j.job\_id and

j.location\_id = l.location\_id and

sj.machine\_type\_id = m.machine\_type\_id

group by

j.job\_id, j.location\_id, l.location\_name,t.time\_year,t.time\_month



**Q4:**

create or replace view BQ4

as

select l.location\_id, l.location\_name,

c.sales\_class\_id, c.sales\_class\_desc,

t.time\_year, t.time\_month,

sum (i.quantity\_shipped - i.invoice\_quantity)as quantity\_returned,

sum ((i.invoice\_amount/i.invoice\_quantity)\*(i.quantity\_shipped - i.invoice\_quantity)) as amount\_returned

from w\_location\_d l,w\_invoiceline\_f i, w\_sales\_class\_d c, w\_time\_d t

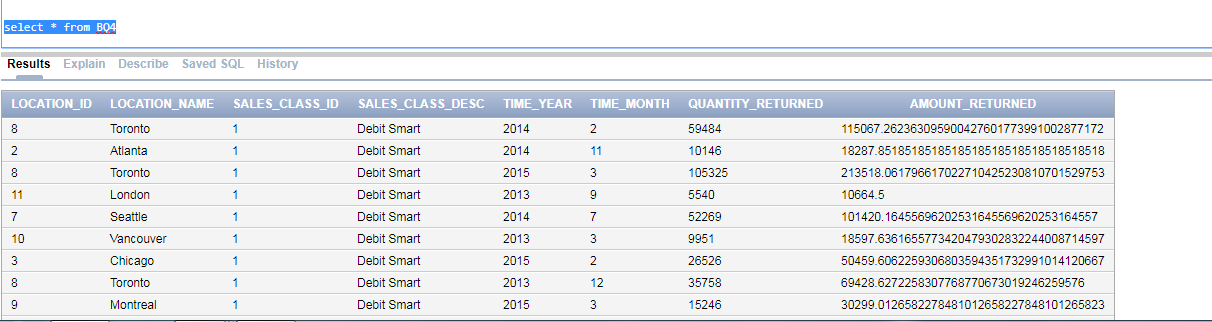
where i.quantity\_shipped>i.invoice\_quantity and

l.location\_id = i.location\_id and

c.sales\_class\_id = i.sales\_class\_id and

t.time\_id = i.invoice\_sent\_date

group by l.location\_id, l.location\_name,c.sales\_class\_id, c.sales\_class\_desc,t.time\_year, t.time\_month



**Q5:**

create view BQ5 as

select j.job\_id, j.location\_id, l.location\_name,c.sales\_class\_id, c.sales\_class\_desc,j.date\_promised, x1.last\_ship\_date last\_ship\_date,j.quantity\_ordered,

x1.delay\_quantity,

(x1.last\_ship\_date-j.date\_promised) AS BusDaysDiff

from w\_location\_d l,w\_job\_f j, w\_sales\_class\_d c,

(select j.job\_id, max(js.actual\_ship\_date) as last\_ship\_date, sum(js.actual\_quantity)as delay\_quantity

from w\_sub\_job\_f sj, w\_job\_shipment\_f js, w\_job\_f j

where js.sub\_job\_id = sj.sub\_job\_id

and sj.job\_id = j.job\_id

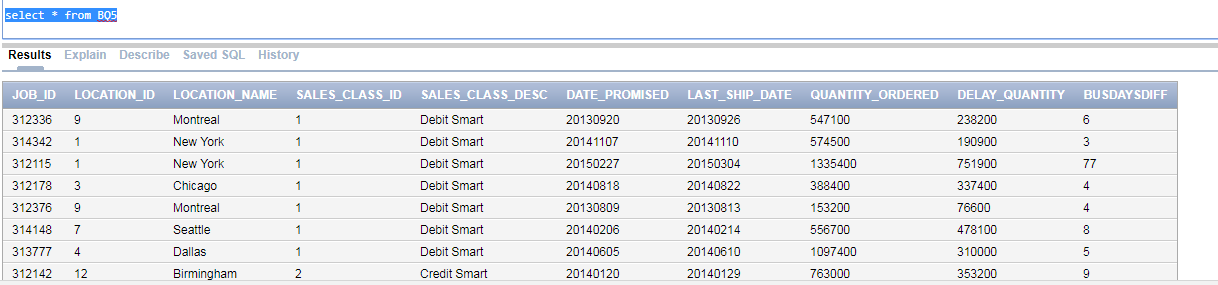
and js.actual\_ship\_date > j.date\_promised

group by j.job\_id) x1

where l.location\_id = j.location\_id

and c.sales\_class\_id = j.sales\_class\_id

and x1.job\_id = j.job\_id



**Q6:**

create view BQ6 as

select j.job\_id, j.location\_id, l.location\_name,c.sales\_class\_id, c.sales\_class\_desc,j.date\_ship\_by, x1.firstshipdate,

(x1.firstshipdate-j.date\_ship\_by) AS BusDaysDiff

from w\_location\_d l,w\_job\_f j, w\_sales\_class\_d c,

( 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

) X1

where l.location\_id = j.location\_id

and c.sales\_class\_id = j.sales\_class\_id

and x1.job\_id = j.job\_id

