

## Module 4 Assignment Base Queries (BQ)

### 1. BQ1

SELECT

W\_JOB\_F.Location\_ID,Location\_Name,W\_SALES\_CLASS\_D.Sales\_class\_id,Sales\_Class\_Desc,Time\_Year,Time\_Month,Base\_price,SUM  
(Quantity\_Ordered) AS

SUMQTY,SUM(Quantity\_Ordered\*Unit\_Price) AS Job\_Amount

FROM W\_JOB\_F,W\_LOCATION\_D,W\_SALES\_CLASS\_D,W\_TIME\_D

WHERE W\_JOB\_F.Location\_ID = W\_LOCATION\_D.Location\_ID

AND W\_JOB\_F.Sales\_class\_id = W\_SALES\_CLASS\_D.Sales\_class\_id

AND W\_TIME\_D.Time\_id = W\_JOB\_F.Contract\_date

GROUP BY

W\_JOB\_F.Location\_ID,Location\_Name,W\_SALES\_CLASS\_D.Sales\_class\_id,Sales\_Class\_Desc,Time\_Year,Time\_Month,Base\_price;

Result: (1705 rows)

	LOCATION_ID	LOCATION_NAME	SALES_CLASS_ID	SALES_CLASS_DESC	TIME_YEAR	TIME_MONTH	BASE_PRICE	SUMQTY	JOB_AMOUNT
1	2	Atlanta	5	Prepaid NoSmart	2014	1	0.8	562600	427576
2	6	Los Angeles	1	Debit Smart	2015	3	1.6	1413900	2116309
3	9	Montreal	4	Credit NoSmart	2014	8	0.8	498400	388752
4	2	Atlanta	4	Credit NoSmart	2013	5	0.8	1644800	1218941
5	1	New York	3	Debit NoSmart	2013	11	0.8	325100	253578
6	12	Birmingham	5	Prepaid NoSmart	2013	10	0.8	1061200	785288
7	9	Montreal	1	Debit Smart	2013	11	1.6	548400	844536
8	5	Denver	5	Prepaid NoSmart	2014	9	0.8	1005700	777263
9	3	Chicago	5	Prepaid NoSmart	2014	5	0.8	1255800	935400
10	10	Vancouver	2	Credit Smart	2014	4	1.6	1980500	2988726
11	11	London	5	Prepaid NoSmart	2013	11	0.8	2337700	1761140
12	1	New York	2	Credit Smart	2014	4	1.6	900000	1386000
13	5	Denver	5	Prepaid NoSmart	2014	12	0.8	2859000	2116013
14	7	Seattle	5	Prepaid NoSmart	2015	1	0.8	1997500	1482190
15	2	Atlanta	1	Debit Smart	2013	3	1.6	1896000	2806644
16	11	London	3	Debit NoSmart	2013	9	0.8	4386900	3230499
17	5	Denver	5	Prepaid NoSmart	2013	2	0.8	1463100	1087687
18	11	London	6	Loyalty NoSmart	2014	1	0.8	197900	156341
19	6	Los Angeles	6	Loyalty NoSmart	2014	7	0.8	455300	355134
20	7	Seattle	3	Debit NoSmart	2014	6	0.8	3902700	2923533
21	2	Atlanta	5	Prepaid NoSmart	2014	9	0.8	372200	290316
22	2	Atlanta	4	Credit NoSmart	2013	7	0.8	1280100	944049

### 2. BQ2

```

SELECT
W_JOB_F.JOB_ID,W_JOB_F.Location_ID,W_Location_D.Location_
Name,Unit_Price,Quantity_Ordered,Time_Year,Time_Month,SUM
(Invoice_Amount) AS SUMINVAMT,SUM(Invoice_Quantity) AS
SUMINVQTY
FROM
W_JOB_F,W_LOCATION_D,W_TIME_D,W_INVOICELINE_F,W_SUB
_JOB_F,W_JOB_SHIPMENT_F
WHERE W_JOB_F.Location_ID = W_LOCATION_D.Location_ID
AND W_TIME_D.Time_id = W_JOB_F.Contract_date
AND W_Job_Shipment_F.Invoice_Id = W_InvoiceLine_F.Invoice_Id
AND W_JOB_F.Job_Id = W_SUB_JOB_F.Job_Id AND
W_JOB_SHIPMENT_F.Sub_Job_Id = W_Sub_Job_F.Sub_Job_Id
GROUP BY
W_JOB_F.JOB_ID,W_JOB_F.Location_ID,W_Location_D.Location_
Name,Unit_Price,Quantity_Ordered,Time_Year,Time_Month;

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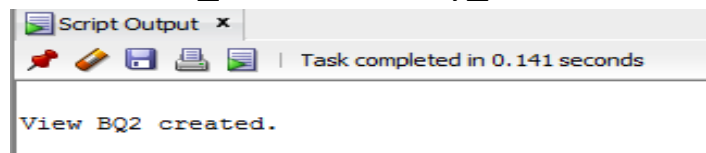
CREATE VIEW BQ2 AS
SELECT
W_JOB_F.JOB_ID,W_JOB_F.Location_ID,W_Location_D.Location_
Name,Unit_Price,Quantity_Ordered,Time_Year,Time_Month,SUM
(Invoice_Amount) AS SUMINVAMT,SUM(Invoice_Quantity) AS
SUMINVQTY
FROM
W_JOB_F,W_LOCATION_D,W_TIME_D,W_INVOICELINE_F,W_SUB
_JOB_F,W_JOB_SHIPMENT_F
WHERE W_JOB_F.Location_ID = W_LOCATION_D.Location_ID
AND W_TIME_D.Time_id = W_JOB_F.Contract_date

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AND W_Job_Shipment_F.Invoice_Id = W_InvoiceLine_F.Invoice_Id
AND W_JOB_F.Job_Id = W_SUB_JOB_F.Job_Id AND
W_JOB_SHIPMENT_F.Sub_Job_Id = W_Sub_Job_F.Sub_Job_Id
GROUP BY
W_JOB_F.JOB_ID,W_JOB_F.Location_ID,W_Location_D.Location_
Name,Unit_Price,Quantity_Ordered,Time_Year,Time_Month;

```



(2504 rows)

JOB_ID	LOCATION_ID	LOCATION_NAME	UNIT PRICE	QUANTITY ORDERED	TIME_YEAR	TIME_MONTH	SUMINVT	SUMINVTQTY
1	313239	11 London	1.58	227300	2014	7	272550	164310
2	313221	7 Seattle	0.79	216500	2015	1	171035	216500
3	313222	7 Seattle	0.8	75000	2014	8	60000	63000
4	313213	6 Los Angeles	0.74	814000	2014	10	600140	773340
5	313193	2 Atlanta	0.74	829200	2014	2	422244	549365
6	313200	12 Birmingham	0.76	612600	2013	11	291308	383300
7	313181	9 Montreal	0.78	506000	2013	5	394524	485160
8	313182	11 London	0.78	495100	2014	7	348036	399659
9	313186	10 Vancouver	1.6	79100	2013	4	63360	39600
10	313191	2 Atlanta	1.47	1069400	2013	11	652239	417310
11	313169	11 London	1.5	657900	2013	6	843300	562200
12	313178	1 New York	1.5	618400	2014	11	665100	409278
13	313134	8 Toronto	1.58	184500	2014	5	291510	165138
14	313139	9 Montreal	1.52	783200	2013	9	1078592	673991
15	313142	10 Vancouver	1.54	619500	2014	4	954030	604350
16	313143	10 Vancouver	0.74	1156000	2014	2	683538	898348
17	313130	6 Los Angeles	1.6	90100	2014	2	144160	90100
18	313118	8 Toronto	0.73	956600	2013	5	589256	798068
19	313101	10 Vancouver	0.77	559500	2013	5	398475	465166
20	313105	8 Toronto	0.75	728400	2014	8	502350	669800
21	313089	7 Seattle	1.58	205600	2013	4	287876	165111
22	313099	11 London	0.74	1031900	2014	8	685906	895830

### 3. BQ3

CREATE VIEW BQ3 AS

SELECT

JOB\_ID,Location\_ID,Location\_Name,Time\_Year,Time\_Month,SUM  
LABOUR, SUMMATERIAL,  
SUMOVERHEAD,SUMMACHINE,SUMQTY,TOTALCOST,TOTALCOST/  
SUMQTY AS UNIT\_PRICE

FROM (

SELECT

W\_SUB\_JOB\_F.JOB\_ID,W\_SUB\_JOB\_F.Location\_ID,Location\_Nam  
e,Time\_Year,Time\_Month,SUM(Cost\_Labor) AS

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SUMLABOUR,SUM(Cost_Material) AS
SUMMATERIAL,SUM(Cost_Overhead) AS
SUMOVERHEAD,SUM(Machine_Hours*Rate_per_hour) AS
SUMMACHINE,SUM(Quantity_produced) AS SUMQTY,
SUM(Cost_Labor+Cost_Material+Cost_Overhead+Machine_Hours
*Rate_per_hour) AS TOTALCOST
FROM
W_SUB_JOB_F,W_JOB_F,W_TIME_D,W_LOCATION_D,W_MACHI
NE_TYPE_D
WHERE W_SUB_JOB_F.Job_id = W_JOB_F.Job_id AND
W_location_d.location_id = W_SUB_JOB_F.Location_id AND
W_Time_D.Time_id = W_Job_F.Contract_Date AND
W_SUB_JOB_F.Machine_Type_id =
W_Machine_Type_D.Machine_Type_ID
GROUP BY
W_SUB_JOB_F.JOB_ID,W_SUB_JOB_F.Location_ID,Location_Nam
e,Time_Year,Time_Month);

```

(2527 rows)

	JOB_ID	LOCATION_ID	LOCATION_NAME	TIME_YEAR	TIME_MONTH	SUMLABOUR	SUMMATERIAL	SUMOVERHEAD	SUMMACHINE	SUMQTY	TOTALCOST	UNIT_PRICE
1	312077	6	Los Angeles	2013	5	279985.8	60064.12	66717.91	134670	902600	541437.83	0.5998646465765566142255
2	312081	1	New York	2014	1	195220.8	74341.97	54441.36	165990	816800	489994.13	0.5998948702252693437806
3	312087	11	London	2013	5	63649.06	40483.9	21799.03	29280	247200	155211.99	0.62788021844660194174757
4	312088	3	Chicago	2014	3	192064.34	48217.99	52268.42	89012	1289600	381562.75	0.29587682227047146401985
5	312095	5	Denver	2013	7	46748.83	20591.17	12093.23	19980	318800	99413.23	0.31183572772898368883312
6	312103	3	Chicago	2014	4	76880	24239.7	46951.33	122850	437000	270921.03	0.61995659038901601830663
7	312111	1	New York	2013	9	57735.18	25290.57	14225.95	31048	204300	128299.7	0.62799657366617719040626
8	312114	10	Vancouver	2014	4	129408.54	15221.8	11483.1	65280	728600	221393.44	0.30386143288498490255284
9	312116	6	Los Angeles	2013	11	249357.82	42855.91	76525.82	85880	747900	454619.55	0.60786141195346971520256
10	312122	9	Montreal	2013	11	104717.36	14104.24	28447.85	67440	706500	214709.45	0.30390580325548478414720
11	312125	11	London	2013	9	27362.44	1768.4	1280.56	8600	123700	39011.4	0.31537105901374292643492
12	312555	5	Denver	2013	11	87064.39	28046.24	32289.38	74732	730800	222132.01	0.30395732074438970990695
13	312556	5	Denver	2015	2	58169.19	22002.08	25634.43	31220	445100	137025.7	0.30785374073241968097056
14	312564	11	London	2013	9	117606.72	19065.95	14307.24	68970	743700	219949.91	0.29575085383891354040607
15	312565	4	Dallas	2013	6	121023.14	5774.94	9032.6	42100	283400	177930.68	0.62784290755116443189837
16	312571	6	Los Angeles	2013	10	77865.84	6336.03	13824.63	26440	399000	124466.5	0.31194611528822055137844
17	312572	5	Denver	2014	4	118409.52	31696.87	20906.95	77810	818700	248823.34	0.30392492976670331012580
18	312576	5	Denver	2014	8	128292.02	41856.76	30309.47	91340	986100	291798.25	0.29591141872021093195416
19	312578	1	New York	2013	3	48569.52	21759.14	14506.1	77040	257800	161874.76	0.62790830100853374709076
20	312582	3	Chicago	2013	8	95729.7	19173.68	17042.89	52054	613400	184000.27	0.2999678350179328338767
21	312174	8	Toronto	2014	12	106482.69	53483.71	27345.85	71550	851600	258862.25	0.30397164161578205730389
22	312180	1	New York	2014	12	73631.09	34521.48	20706.27	35400	533600	164258.84	0.307831409295352323838

#### 4. BQ4

```

SELECT W_InvoiceLine_F.Location_Id,
Location_Name,W_InvoiceLine_F.Sales_Class_Id,
Sales_Class_Desc,Time_Year, Time_Month,
SUM ( Quantity_shipped - Invoice_Quantity ) as
QTYRETURNED,SUM ( (Quantity_shipped - Invoice_quantity) *
(Invoice_amount/Invoice_quantity) ) AS SUMAMTRETURNED
FROM W_INVOICELINE_F,W_Location_D
,W_Sales_Class_D,W_TIME_D
WHERE quantity_shipped - invoice_quantity > 0
AND W_INVOICELINE_F.INVOICE_SENT_DATE =
W_TIME_D.TIME_ID AND W_INVOICELINE_F.Location_Id =
W_Location_D.Location_Id
AND W_INVOICELINE_F.Sales_Class_Id =
W_Sales_Class_D.Sales_Class_Id
GROUP BY W_InvoiceLine_F.Location_Id,
Location_Name,W_InvoiceLine_F.Sales_Class_Id,
Sales_Class_Desc,Time_Year, Time_Month;

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1159 rows

LOCATION_ID	LOCATION_NAME	SALES_CLASS_ID	SALES_CLASS_DESC	TIME_YEAR	TIME_MONTH	QTYRETURNED	SUMAMTRETURNED
1	6 Los Angeles	4 Credit NoSmart		2013	8	29796	25668.9036544850498338870431893687707641
2	10 Vancouver	6 Loyalty NoSmart		2014	5	22981	23137.3333333333333333333333333333333333
3	9 Montreal	1 Debit Smart		2013	11	90403	172040.3066378066378066378066378066378069
4	3 Chicago	2 Credit Smart		2014	7	60592	129599.55555555555555555555555555555556
5	8 Toronto	1 Debit Smart		2013	5	62748	126707.0985915492957746478873239436619717
6	10 Vancouver	2 Credit Smart		2014	3	131776	253947.6945693452227580511566272619664857
7	12 Birmingham	6 Loyalty NoSmart		2014	8	64732	60043.6824677627890479296101786061625419
8	5 Denver	6 Loyalty NoSmart		2014	1	44273	46145.0040241448692152917505030181086519
9	12 Birmingham	5 Prepaid NoSmart		2014	12	88380	80955.9803514897295155028657389384473363
10	3 Chicago	6 Loyalty NoSmart		2014	4	47662	48232.1855083715718654185941349184375924
11	3 Chicago	2 Credit Smart		2013	5	3024	6296.547945205479452054794520547945205486
12	11 London	4 Credit NoSmart		2014	5	36317	37854.8458264088066961438160903580215308
13	6 Los Angeles	4 Credit NoSmart		2013	12	12564	10707.95454545454545454545454545454545
14	8 Toronto	6 Loyalty NoSmart		2014	11	69385	65750.5682766845557543231961836612999403
15	4 Dallas	5 Prepaid NoSmart		2015	1	103553	103294.4180348488801626810325557636987595
16	6 Los Angeles	5 Prepaid NoSmart		2015	2	112978	112102.8715603451192317549593686162248306
17	8 Toronto	5 Prepaid NoSmart		2015	3	100020	93798.7801176695577829525384450969142677
18	12 Birmingham	5 Prepaid NoSmart		2014	8	81344	77939.1385349131828005067441687159997019
19	12 Birmingham	6 Loyalty NoSmart		2014	12	40920	38904.3750586029067041725269573370839194
20	11 London	2 Credit Smart		2015	3	46954	89329.86363636363636363636363636363637
21	7 Seattle	6 Loyalty NoSmart		2013	12	35378	34884.1001616515778599665027165156459896
22	9 Montreal	3 Debit NoSmart		2015	3	55698	55375.2917774704818636315285607914051697

## 5. BQ5

SELECT

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Job_id,Location_ID,Location_Name,Sales_class_id,sales_class_desc,
Date_Promised,Quantity_Ordered,LastShipDate,SUMSHIPQTY,
getBusDaysDiff(LastShipDate,Date_Promised) AS DaysDiff
FROM
(
SELECT
W_JOB_F.Job_id,W_JOB_F.Location_ID,Location_Name,W_JOB_F.
Sales_class_id,sales_class_desc,
Date_Promised,Quantity_Ordered,MAX(Actual_Ship_Date) AS
LastShipDate,SUM(Actual_Quantity) AS SUMSHIPQTY
FROM
W_JOB_F,W_LOCATION_D,W_SALES_CLASS_D,W_SUB_JOB_F,W_
JOB_SHIPMENT_F
WHERE Actual_Ship_Date > Date_Promised
AND W_JOB_F.Location_id = W_LOCATION_D.Location_id AND
W_Job_F.Sales_Class_Id = W_Sales_Class_D.Sales_Class_Id
AND 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
GROUP BY
W_JOB_F.Job_id,W_JOB_F.Location_ID,Location_Name,W_JOB_F.
Sales_class_id,sales_class_desc,
Date_Promised,Quantity_Ordered
)
WHERE LastShipDate > Date_Promised;

```

```

CREATE VIEW BQ5 AS
SELECT

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Job_id,Location_ID,Location_Name,Sales_class_id,sales_class_desc,
Date_Promised,Quantity_Ordered,LastShipDate,SUMSHIPQTY,
getBusDaysDiff(LastShipDate,Date_Promised) AS DaysDiff
FROM
(
SELECT
W_JOB_F.Job_id,W_JOB_F.Location_ID,Location_Name,W_JOB_F.
Sales_class_id,sales_class_desc,
Date_Promised,Quantity_Ordered,MAX(Actual_Ship_Date) AS
LastShipDate,SUM(Actual_Quantity) AS SUMSHIPQTY
FROM
W_JOB_F,W_LOCATION_D,W_SALES_CLASS_D,W_SUB_JOB_F,W_
JOB_SHIPMENT_F
WHERE Actual_Ship_Date > Date_Promised
AND W_JOB_F.Location_id = W_LOCATION_D.Location_id AND
W_Job_F.Sales_Class_Id = W_Sales_Class_D.Sales_Class_Id
AND 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
GROUP BY
W_JOB_F.Job_id,W_JOB_F.Location_ID,Location_Name,W_JOB_F.
Sales_class_id,sales_class_desc,
Date_Promised,Quantity_Ordered
)
WHERE LastShipDate > Date_Promised;
(71 rows)

```

Start Page Capstone_Queries.sql BQ5										
Columns Data Grants Dependencies Details Triggers SQL Errors										
	JOB_ID	LOCATION_ID	LOCATION_NAME	SALES_CLASS_ID	SALES_CLASS_DESC	DATE_PROMISED	QUANTITY_ORDERED	LASTSHIPDATE	SUMSHIPQTY	DAYSDIFF
1	312931	10	Vancouver	3	Debit NoSmart	20150202	1053700	20150212	1053700	8
2	312077	6	Los Angeles	2	Credit Smart	20130701	902600	20130709	467700	6
3	313737	7	Seattle	6	Loyalty NoSmart	20140401	608500	20140404	176600	3
4	314298	10	Vancouver	3	Debit NoSmart	20140404	709300	20140418	709200	10
5	312947	7	Seattle	4	Credit NoSmart	20140430	490500	20140506	278400	4
6	312893	9	Montreal	3	Debit NoSmart	20130408	548100	20130411	308800	3
7	312853	9	Montreal	4	Credit NoSmart	20150122	325600	20150202	317100	7
8	312409	7	Seattle	5	Prepaid NoSmart	20140926	56700	20141003	56500	5
9	312294	10	Vancouver	3	Debit NoSmart	20150122	327200	20150203	32400	8
10	312288	7	Seattle	2	Credit Smart	20140514	696800	20140523	696800	7
11	312262	7	Seattle	3	Debit NoSmart	20140821	155200	20140822	77600	1
12	312142	12	Birmingham	2	Credit Smart	20140120	763000	20140129	353200	7
13	313803	9	Montreal	6	Loyalty NoSmart	20130606	1289100	20130701	1253300	17
14	313848	8	Toronto	6	Loyalty NoSmart	20140521	275100	20140527	275000	4
15	314238	4	Dallas	2	Credit Smart	20150302	1051800	20150304	100400	2
16	314300	7	Seattle	2	Credit Smart	20131016	583600	20131018	314000	2
17	314422	7	Seattle	5	Prepaid NoSmart	20140410	1115800	20140414	144700	2
18	313152	9	Montreal	4	Credit NoSmart	20140806	723400	20140811	379900	3
19	313087	9	Montreal	6	Loyalty NoSmart	20140220	202500	20140228	63800	6
20	312719	6	Los Angeles	2	Credit Smart	20131121	979900	20131203	705600	8
21	312423	4	Dallas	2	Credit Smart	20140717	904200	20140721	200500	2
22	313728	7	Seattle	2	Credit Smart	20150205	1223400	20150212	141900	5

## 6. BQ6

SELECT

Job\_id,Location\_ID,Location\_Name,Sales\_class\_id,sales\_class\_desc,

Date\_Ship\_By,FirstShipDate,getBusDaysDiff(FirstShipDate,Date\_Ship\_By) AS DaysDiff

FROM

(

SELECT

W\_JOB\_F.Job\_id,W\_JOB\_F.Location\_ID,Location\_Name,W\_JOB\_F.Sales\_class\_id,sales\_class\_desc,

Date\_Ship\_By,MIN(Actual\_Ship\_Date) AS FirstShipDate

FROM

W\_JOB\_F,W\_LOCATION\_D,W\_SALES\_CLASS\_D,W\_SUB\_JOB\_F,W\_JOB\_SHIPMENT\_F



```

WHERE W_JOB_F.Location_id = W_LOCATION_D.Location_id
AND W_Job_F.Sales_Class_Id = W_Sales_Class_D.Sales_Class_Id
AND 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
GROUP BY
W_JOB_F.Job_id,W_JOB_F.Location_ID,Location_Name,W_JOB_F.
Sales_class_id,sales_class_desc,
Date_Ship_By
)
WHERE FirstShipDate > Date_Ship_By;

```

### **CREATE VIEW BQ6 AS**

```

SELECT
Job_id,Location_ID,Location_Name,Sales_class_id,sales_class_desc,
Date_Ship_By,FirstShipDate,getBusDaysDiff(FirstShipDate,Date_Ship_By) AS DaysDiff
FROM
(
SELECT
W_JOB_F.Job_id,W_JOB_F.Location_ID,Location_Name,W_JOB_F.
Sales_class_id,sales_class_desc,
Date_Ship_By,MIN(Actual_Ship_Date) AS FirstShipDate
FROM
W_JOB_F,W_LOCATION_D,W_SALES_CLASS_D,W_SUB_JOB_F,W_
JOB_SHIPMENT_F
WHERE W_JOB_F.Location_id = W_LOCATION_D.Location_id
AND W_Job_F.Sales_Class_Id = W_Sales_Class_D.Sales_Class_Id

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AND 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
GROUP BY
W_JOB_F.Job_id,W_JOB_F.Location_ID,Location_Name,W_JOB_F.
Sales_class_id,sales_class_desc,
Date_Ship_By
)
WHERE FirstShipDate > Date_Ship_By; (87 rows)

```

	JOB_ID	LOCATION_ID	LOCATION_NAME	SALES_CLASS_ID	SALES_CLASS_DESC	DATE_SHIP_BY	FIRSTSHIPDATE	DAYSDIFF
1	312568	3	Chicago	1	Debit Smart	20130329	20130402	2
2	312546	1	New York	4	Credit NoSmart	20140708	20140710	2
3	313376	10	Vancouver	4	Credit NoSmart	20141205	20141209	2
4	313306	1	New York	1	Debit Smart	20141127	20141201	2
5	313688	4	Dallas	6	Loyalty NoSmart	20130528	20130604	5
6	314422	7	Seattle	5	Prepaid NoSmart	20140404	20140408	2
7	312239	12	Birmingham	5	Prepaid NoSmart	20141114	20141118	2
8	312219	6	Los Angeles	6	Loyalty NoSmart	20140711	20140716	3
9	312178	3	Chicago	1	Debit Smart	20140814	20140818	2
10	312077	6	Los Angeles	2	Credit Smart	20130621	20130625	2
11	313777	4	Dallas	1	Debit Smart	20140529	20140602	2
12	313850	12	Birmingham	2	Credit Smart	20140312	20140331	13
13	313876	6	Los Angeles	6	Loyalty NoSmart	20140307	20140312	3
14	314244	8	Toronto	6	Loyalty NoSmart	20140825	20140827	2
15	314269	6	Los Angeles	6	Loyalty NoSmart	20140703	20140707	2
16	314302	8	Toronto	6	Loyalty NoSmart	20141110	20141112	2
17	313079	10	Vancouver	3	Debit NoSmart	20140623	20140625	2
18	312423	4	Dallas	2	Credit Smart	20140710	20140714	2
19	312412	7	Seattle	5	Prepaid NoSmart	20141106	20141110	2
20	312295	10	Vancouver	3	Debit NoSmart	20140721	20140723	2
21	312262	7	Seattle	3	Debit NoSmart	20140819	20140821	2
22	312271	6	Los Angeles	6	Loyalty NoSmart	20150220	20150302	6