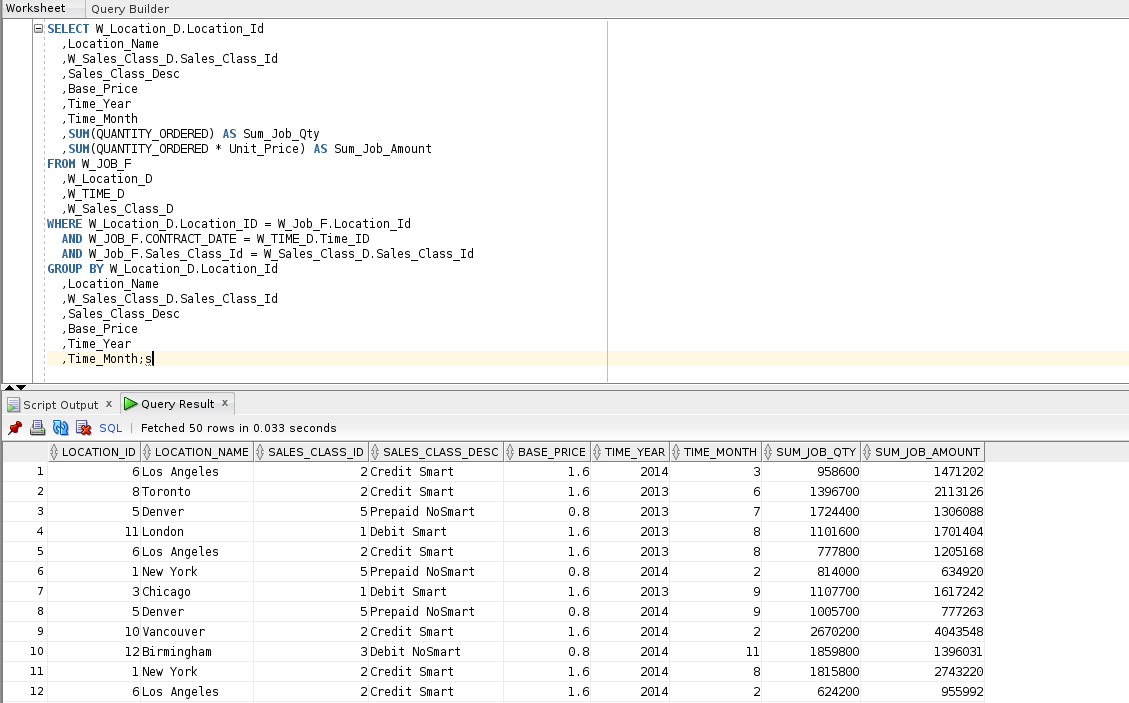
**Base Query 1:**

|  |
| --- |
| **SELECT W\_Location\_D.Location\_Id**  **,Location\_Name**  **,W\_Sales\_Class\_D.Sales\_Class\_Id**  **,Sales\_Class\_Desc**  **,Base\_Price**  **,Time\_Year**  **,Time\_Month**  **,SUM(QUANTITY\_ORDERED) AS Sum\_Job\_Qty**  **,SUM(QUANTITY\_ORDERED \* Unit\_Price) AS Sum\_Job\_Amount**  **FROM W\_JOB\_F**  **,W\_Location\_D**  **,W\_TIME\_D**  **,W\_Sales\_Class\_D**  **WHERE W\_Location\_D.Location\_ID = W\_Job\_F.Location\_Id**  **AND W\_JOB\_F.CONTRACT\_DATE = W\_TIME\_D.Time\_ID**  **AND W\_Job\_F.Sales\_Class\_Id = W\_Sales\_Class\_D.Sales\_Class\_Id**  **GROUP BY W\_Location\_D.Location\_Id**  **,Location\_Name**  **,W\_Sales\_Class\_D.Sales\_Class\_Id**  **,Sales\_Class\_Desc**  **,Base\_Price**  **,Time\_Year**  **,Time\_Month;** |

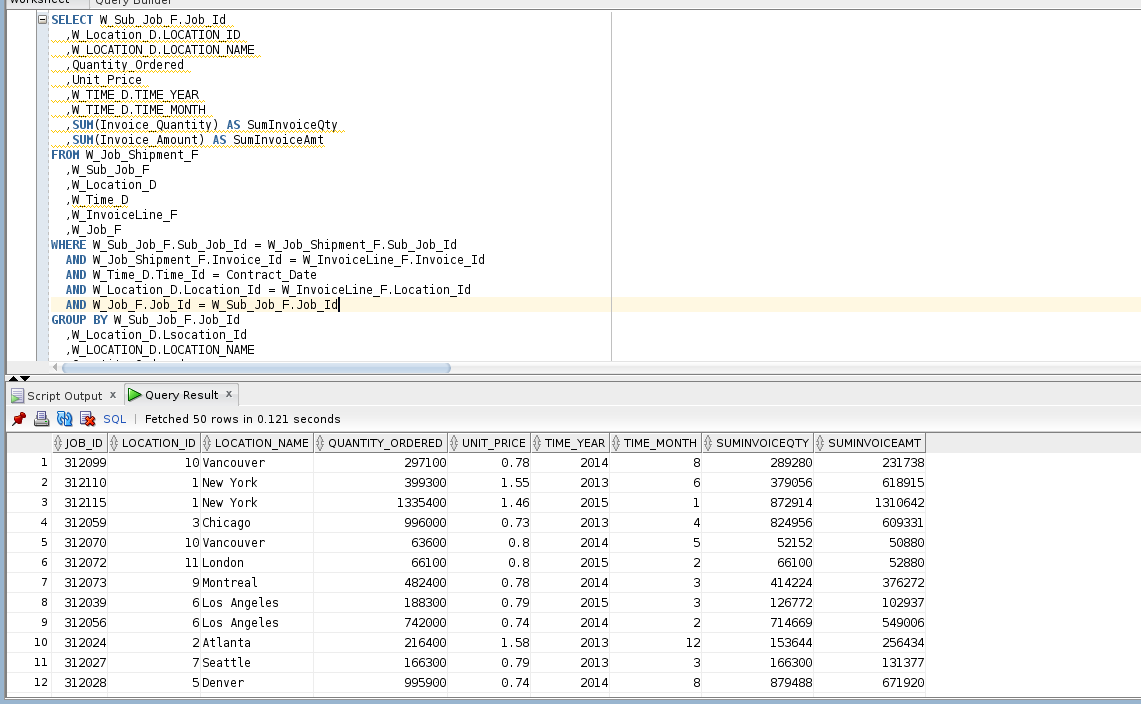
**Screenshot 1:**



**Base Query 2:**

|  |
| --- |
| **SELECT W\_Sub\_Job\_F.Job\_Id**  **,W\_Location\_D.LOCATION\_ID**  **,W\_LOCATION\_D.LOCATION\_NAME**  **,Quantity\_Ordered**  **,Unit\_Price**  **,W\_TIME\_D.TIME\_YEAR**  **,W\_TIME\_D.TIME\_MONTH**  **,SUM(Invoice\_Quantity) AS SumInvoiceQty**  **,SUM(Invoice\_Amount) AS SumInvoiceAmt**  **FROM W\_Job\_Shipment\_F**  **,W\_Sub\_Job\_F**  **,W\_Location\_D**  **,W\_Time\_D**  **,W\_InvoiceLine\_F**  **,W\_Job\_F**  **WHERE W\_Sub\_Job\_F.Sub\_Job\_Id = W\_Job\_Shipment\_F.Sub\_Job\_Id**  **AND W\_Job\_Shipment\_F.Invoice\_Id = W\_InvoiceLine\_F.Invoice\_Id**  **AND W\_Time\_D.Time\_Id = Contract\_Date**  **AND W\_Location\_D.Location\_Id = W\_InvoiceLine\_F.Location\_Id**  **AND W\_Job\_F.Job\_Id = W\_Sub\_Job\_F.Job\_Id**  **GROUP BY W\_Sub\_Job\_F.Job\_Id**  **,W\_Location\_D.Location\_Id**  **,W\_LOCATION\_D.LOCATION\_NAME**  **,Quantity\_Ordered**  **,Unit\_Price**  **,W\_Time\_D.Time\_Year**  **,W\_Time\_D.Time\_Month;** |

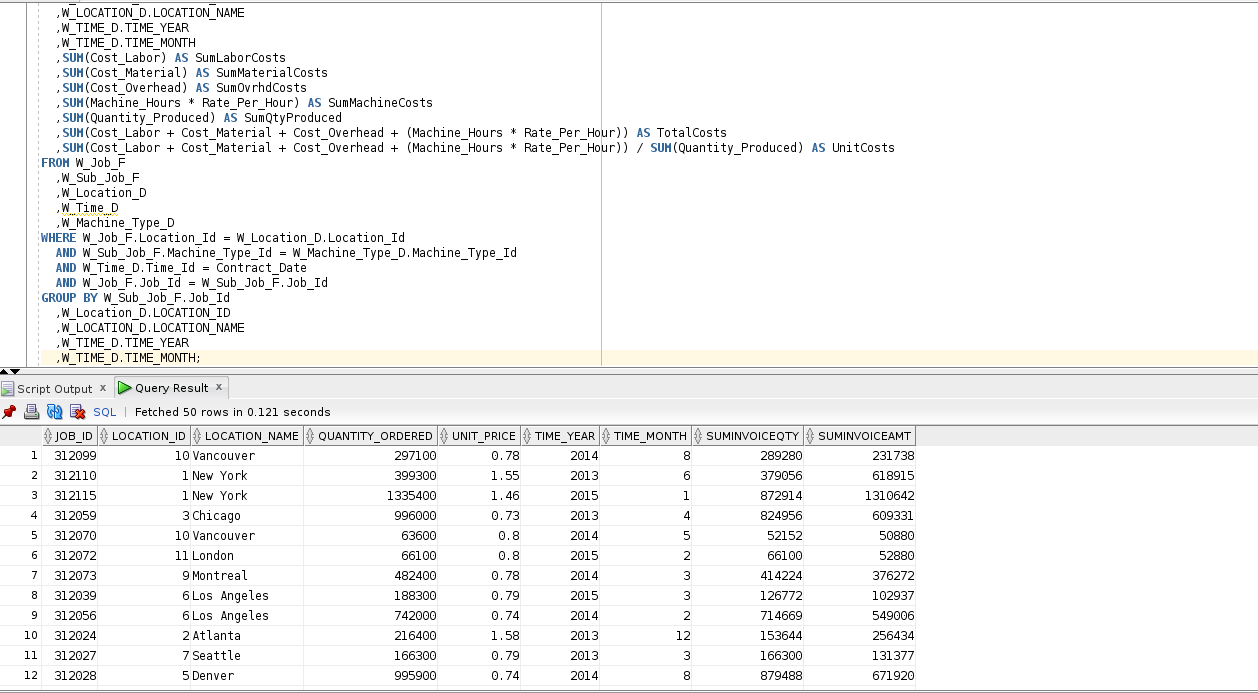
**Screenshot 2:**



**Base Query 3:**

|  |
| --- |
| **CREATE VIEW LocRevenueSummary**  **AS**  **SELECT W\_Sub\_Job\_F.Job\_Id**  **,W\_Location\_D.LOCATION\_ID**  **,W\_LOCATION\_D.LOCATION\_NAME**  **,Quantity\_Ordered**  **,Unit\_Price**  **,W\_TIME\_D.TIME\_YEAR**  **,W\_TIME\_D.TIME\_MONTH**  **,SUM(Invoice\_Quantity) AS SumInvoiceQty**  **,SUM(Invoice\_Amount) AS SumInvoiceAmt**  **FROM W\_Job\_Shipment\_F**  **,W\_Sub\_Job\_F**  **,W\_Location\_D**  **,W\_Time\_D**  **,W\_InvoiceLine\_F**  **,W\_Job\_F**  **WHERE W\_Sub\_Job\_F.Sub\_Job\_Id = W\_Job\_Shipment\_F.Sub\_Job\_Id**  **AND W\_Job\_Shipment\_F.Invoice\_Id = W\_InvoiceLine\_F.Invoice\_Id**  **AND W\_Time\_D.Time\_Id = Contract\_Date**  **AND W\_Location\_D.Location\_Id = W\_InvoiceLine\_F.Location\_Id**  **AND W\_Job\_F.Job\_Id = W\_Sub\_Job\_F.Job\_Id**  **GROUP BY W\_Sub\_Job\_F.Job\_Id**  **,W\_Location\_D.Location\_Id**  **,W\_LOCATION\_D.LOCATION\_NAME**  **,Quantity\_Ordered**  **,Unit\_Price**  **,W\_Time\_D.Time\_Year**  **,W\_Time\_D.Time\_Month;** |

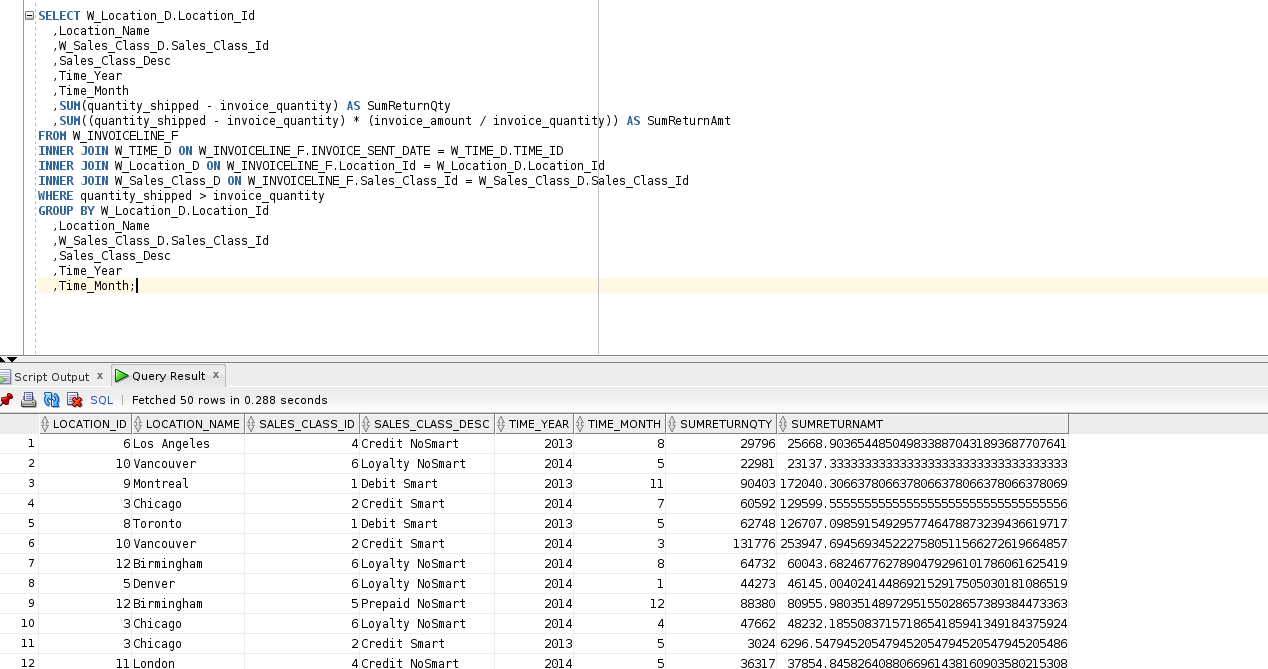
**Screenshot 3:**



**Base Query 4:**

|  |
| --- |
| **SELECT W\_Sub\_Job\_F.Job\_Id**  **,W\_Location\_D.LOCATION\_ID**  **,W\_LOCATION\_D.LOCATION\_NAME**  **,W\_TIME\_D.TIME\_YEAR**  **,W\_TIME\_D.TIME\_MONTH**  **,SUM(Cost\_Labor) AS SumLaborCosts**  **,SUM(Cost\_Material) AS SumMaterialCosts**  **,SUM(Cost\_Overhead) AS SumOvrhdCosts**  **,SUM(Machine\_Hours \* Rate\_Per\_Hour) AS SumMachineCosts**  **,SUM(Quantity\_Produced) AS SumQtyProduced**  **,SUM(Cost\_Labor + Cost\_Material + Cost\_Overhead + (Machine\_Hours \* Rate\_Per\_Hour)) AS TotalCosts**  **,SUM(Cost\_Labor + Cost\_Material + Cost\_Overhead + (Machine\_Hours \* Rate\_Per\_Hour)) / SUM(Quantity\_Produced) AS UnitCosts**  **FROM W\_Job\_F**  **,W\_Sub\_Job\_F**  **,W\_Location\_D**  **,W\_Time\_D**  **,W\_Machine\_Type\_D**  **WHERE W\_Job\_F.Location\_Id = W\_Location\_D.Location\_Id**  **AND W\_Sub\_Job\_F.Machine\_Type\_Id = W\_Machine\_Type\_D.Machine\_Type\_Id**  **AND W\_Time\_D.Time\_Id = Contract\_Date**  **AND W\_Job\_F.Job\_Id = W\_Sub\_Job\_F.Job\_Id**  **GROUP BY W\_Sub\_Job\_F.Job\_Id**  **,W\_Location\_D.LOCATION\_ID**  **,W\_LOCATION\_D.LOCATION\_NAME**  **,W\_TIME\_D.TIME\_YEAR**  **,W\_TIME\_D.TIME\_MONTH;** |

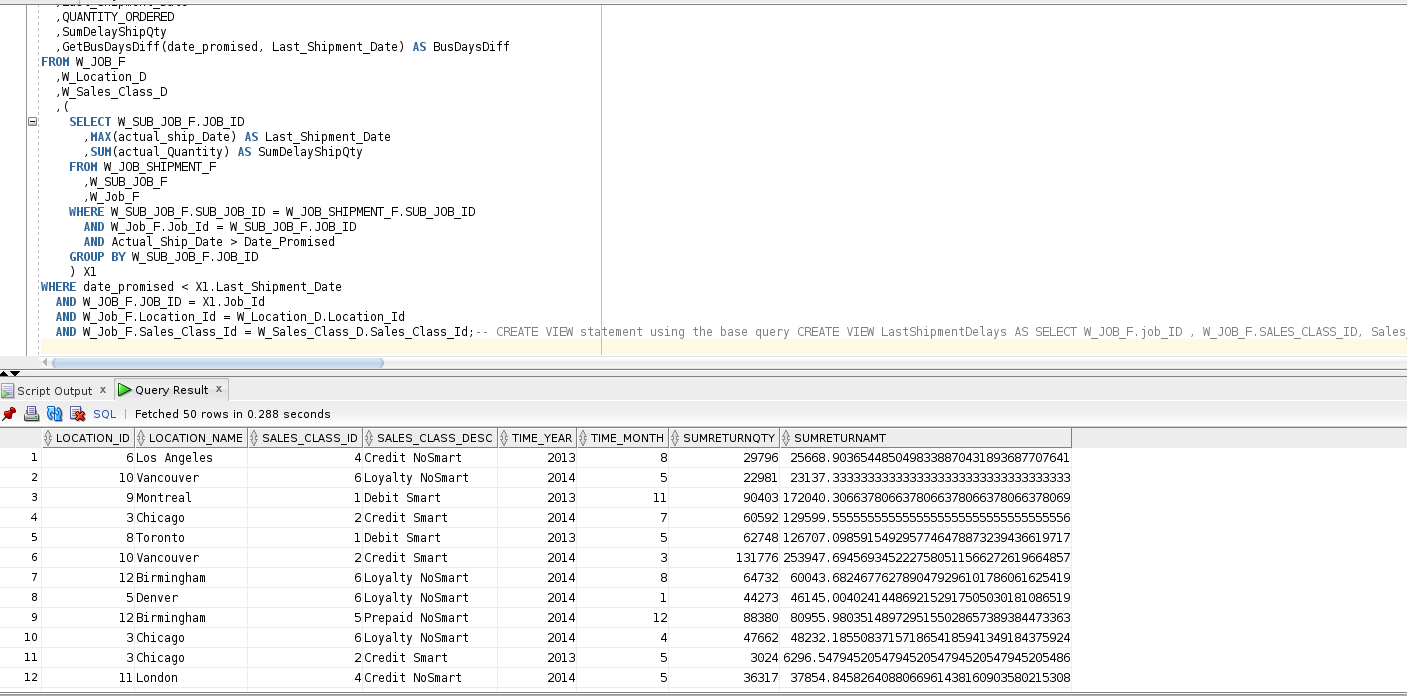
**Screenshot 4:**



**Base Query 5:**

|  |
| --- |
| **CREATE VIEW LocCostSummary**  **AS**  **SELECT W\_Sub\_Job\_F.Job\_Id**  **,W\_Location\_D.LOCATION\_ID**  **,W\_LOCATION\_D.LOCATION\_NAME**  **,W\_TIME\_D.TIME\_YEAR**  **,W\_TIME\_D.TIME\_MONTH**  **,SUM(Cost\_Labor) AS SumLaborCosts**  **,SUM(Cost\_Material) AS SumMaterialCosts**  **,SUM(Cost\_Overhead) AS SumOvrhdCosts**  **,SUM(Machine\_Hours \* Rate\_Per\_Hour) AS SumMachineCosts**  **,SUM(Quantity\_Produced) AS SumQtyProduced**  **,SUM(Cost\_Labor + Cost\_Material + Cost\_Overhead + (Machine\_Hours \* Rate\_Per\_Hour)) AS TotalCosts**  **,SUM(Cost\_Labor + Cost\_Material + Cost\_Overhead + (Machine\_Hours \* Rate\_Per\_Hour)) / SUM(Quantity\_Produced) AS UnitCosts**  **FROM W\_Job\_F**  **,W\_Sub\_Job\_F**  **,W\_Location\_D**  **,W\_Time\_D**  **,W\_Machine\_Type\_D**  **WHERE W\_Job\_F.Location\_Id = W\_Location\_D.Location\_Id**  **AND W\_Sub\_Job\_F.Machine\_Type\_Id = W\_Machine\_Type\_D.Machine\_Type\_Id**  **AND W\_Time\_D.Time\_Id = Contract\_Date**  **AND W\_Job\_F.Job\_Id = W\_Sub\_Job\_F.Job\_Id**  **GROUP BY W\_Sub\_Job\_F.Job\_Id**  **,W\_Location\_D.LOCATION\_ID**  **,W\_LOCATION\_D.LOCATION\_NAME**  **,W\_TIME\_D.TIME\_YEAR**  **,W\_TIME\_D.TIME\_MONTH;** |

**Screenshot 5:**



**Base Query 6:**

|  |
| --- |
| **SELECT W\_Location\_D.Location\_Id**  **,Location\_Name**  **,W\_Sales\_Class\_D.Sales\_Class\_Id**  **,Sales\_Class\_Desc**  **,Time\_Year**  **,Time\_Month**  **,SUM(quantity\_shipped - invoice\_quantity) AS SumReturnQty**  **,SUM((quantity\_shipped - invoice\_quantity) \* (invoice\_amount / invoice\_quantity)) AS SumReturnAmt**  **FROM W\_INVOICELINE\_F**  **INNER JOIN W\_TIME\_D ON W\_INVOICELINE\_F.INVOICE\_SENT\_DATE = W\_TIME\_D.TIME\_ID**  **INNER JOIN W\_Location\_D ON W\_INVOICELINE\_F.Location\_Id = W\_Location\_D.Location\_Id**  **INNER JOIN W\_Sales\_Class\_D ON W\_INVOICELINE\_F.Sales\_Class\_Id = W\_Sales\_Class\_D.Sales\_Class\_Id**  **WHERE quantity\_shipped > invoice\_quantity**  **GROUP BY W\_Location\_D.Location\_Id**  **,Location\_Name**  **,W\_Sales\_Class\_D.Sales\_Class\_Id**  **,Sales\_Class\_Desc**  **,Time\_Year**  **,Time\_Month;** |

**Screenshot 6:**

