Assignment 1 – Module 1

DIMENSIONS

Customer

CustKey	Cust_Name	E_Mail_Address	City	State	Zip	Country	Terms_Code
111111	First Credit	sue.good@firstcredit.com	San Mateo	CA	94404	USA	CCD
111112	Second Credit	bill.smith@secondcredit.com	New York	NY	10577	USA	Net60
111113	Third Credit	mary.jones@thirdcredit.com	Toronto	QC	M4E1B4	CA	Net20
111114	First Bank	amy.tangh@firstbank.com	St. Louis	MO	63105	USA	Net30

Location

Location_Id	Location_Name
1	Denver HQ
2	Atlanta Division
3	Montreal Plant
4	London Plant
5	Charlotte Division

SalesAgent

Sales_Agent_Id	Sales_Agent_Name	State	Country
1	Ron Jones	CO	USA
2	Tammy Ralston	BC	CA
3	Theo Jackson	GA	USA

MachineType

Machine_Type_Id	Manufacturer	Model
1	Connex	Connex M1
1	Remix	Remix M1
1	Connex	Connex M2
4	Remix	Remix M2

SalesClass

Sales_Class_Id	Sales_Class_Desc
1	Credit Card Smart
2	Credit Card Mag
3	Debit Card Smart
4	Debit Card Mag
5	Prepaid Mag
6	Loyalty Mag

CustLocation

CustLocKey	Cust_Name	E_Mail_Address	City	State	Zip	Country	Cust_Key
1111111	First Credit-1	sue.good@firstcredit.com	San Mateo	CA	94404	USA	111111
1111112	First Credit-2	sue.good@firstcredit.com	San Francisco	CA	94407	USA	111111
1111121	Second Credit-1	bill.smith@secondcredit.com	New York	NY	10577	USA	111112
1111131	Third Credit-1	mary.jones@thirdcredit.com	Toronto	QC	M4E1B4	CA	111113
1111132	Third Credit-2	ann.lee@thirdcredit.com	Cincinnati	OH	45236	USA	111113

1111121	First Bank-1	amy.tang@firstbank.com	St. Louis	MO		63105	USA	111114
1111122	First Bank-2	joe.slick@firstbank.com	St. Louis	MO		63107	USA	111114

MEASURES

Lead file

Lead_Id	Quote_Qty	Quote_Price	Quote_Value	Created_Date	Cust_Id	Location_Id	Sales_Agent_Id	Sales_Class_Id
555555	100000	1,1	107800	12/5/13	111111	1	1	1
665556	200000	0,8	133000	11/20/14	111112	1	2	2
690006	175000	0,7	118825	4/17/15	111113	3	3	3
734033	50000	1,5	73500	8/10/14	111113	2	1	2
633557	80000	1,5	114000	5/17/14	111111	2	1	2
756778	160000	1,3	195520	7/14/15	111111	2	1	2
333125	95000	0,9	83790	6/8/13	111114	1	3	2
673125	115000	0,9	100395	3/15/14	111112	3	2	1

Sales Summary

Summary_Sales_Id	Actual_Units	Actual_Amount	Forecast_Units	Forecast_Amount	Location_Id	Sales_Class_Id	Begin_Date	End_Date
1	759.000	993.800 $	10.000.000,00	13.500.000 $	1	1	1/1/14	1/31/14
2	1.636.000	1.883.800	10.000.000,00	13.500.000 $	1	1	2/1/14	2/28/14
3	2.323.000	3.103.800	10.000.000,00	13.500.000 $	1	1	3/1/14	3/31/14
4	2.892.000	3.896.800	10.000.000,00	13.500.000 $	1	1	4/1/14	4/30/14
5	3.769.000	5.116.800	10.000.000,00	13.500.000 $	1	1	5/1/14	5/31/14
6	4.646.000	6.336.800	10.000.000,00	13.500.000 $	1	1	6/1/14	6/30/14
7	5.523.000	7.556.800	10.000.000,00	13.500.000 $	1	1	7/1/14	7/31/14
8	6.400.000	8.776.800	10.000.000,00	13.500.000 $	1	1	8/1/14	8/31/14
9	7.277.000	9.996.800	10.000.000,00	13.500.000 $	1	1	9/1/14	9/30/14
10	8.154.000	11.216.800	10.000.000,00	13.500.000 $	1	1	10/1/14	10/31/14
11	9.031.000	12.436.800	10.000.000,00	13.500.000 $	1	1	11/1/14	11/30/14
12	9.908.000	13.656.800	10.000.000,00	13.500.000 $	1	1	12/1/14	12/31/14

Cost Summary

Summary_Cost_Id	Actual_Units	Actual_Labor_Cost	Actual_Material_Cost	Actual_Overhead_Cost	Actual_Machine_Cost	Budget_Units	Budget_Labor_Cost	Budget_Material_Cost	Budget_Overhead_Cost	Budget_Machine_Cost	Location_Id	Machine_Type_Id	Begin_Date	End_Date
1	1.125.000	326.250 $	191.250 $	135.000 $	202.500 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1	1/1/14	1/
2	2.081.250	603.563 $	353.813 $	249.750 $	374.625 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1	2/1/14	2/ 14
3	3.037.500	880.875 $	516.375 $	364.500 $	546.750 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1	3/1/14	3/ 14
4	3.993.750	1.158.188 $	678.938 $	479.250 $	718.875 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1	4/1/14	14
5	4.950.000	1.435.500 $	841.500 $	594.000 $	891.000 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1	5/1/14	14
6	5.906.250	1.712.813 $	1.004.063 $	708.750 $	1.063.125 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1		14
7	6.862.500	1.990.125 $	1.166.625 $	823.500 $	1.235.250 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1	7/1/14	14
8	8.043.750	2.332.688 $	1.367.438 $	965.250 $	1.447.875 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1		14
9	9.000.000	2.610.000 $	1.530.000 $	1.080.000 $	1.620.000 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1	1	

10	10.091.250	2.926.463 $	1.715.513 $	1.210.950 $	1.816.425 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1
11	11.047.500	3.203.775 $	1.878.075 $	1.325.700 $	1.988.550 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1	1
12	12.150.000	3.523.500 $	2.065.500 $	1.458.000 $	2.187.000 $	13.500.000	3.915.000,0 $	2.295.000 $	1.620.000 $	2.430.000 $	1	1

Job

Job_Id	Job_Desc	Number_SubJobs	Contract_Date	Date_Promised	Unit_Price	Quantity_Ordered	Quotation_Amount	Quotation_Quantity	Location_Id	Sales_Class_Id	Sales_Agent_Id	Cust_Key
111111	Job 1	5	1/3/14	3/1/14	1,1	100000	107800	100000	1	1	1	111111
222222	Job 2	4	1/3/15	3/3/15	0,8	200000	133000	175000	1	2	2	111112
333333	Job 3	6	4/3/15	5/15/15	0,7	150000	118825	175000	3	3	3	111113
444444	Job 4	3	6/3/14	9/15/14	1,5	50000	73500	50000	4	3	3	111113
555555	Job 5	4	10/5/14	12/15/14	1,5	75000	114000	80000	2	2	1	111111
666666	Job 6	6	5/1/15	9/1/15	1,3	160000	195520	160000	2	2	1	111111

Subjob

Job_Id	Sub_Job_Id	Sub_Job_Desc	Cost_Labor	Cost_Material	Cost_Overhead	Machine_Hours	Date_Prod_Begin	Date_Prod_End	Quantity_Produced	Machine_Type_Id
111111	1	Sub job 1	7000	5000	200	10	1/5/14	1/17/14	20000	1
111111	2	Sub job 2	8000	5500	300	15	1/25/14	2/15/14	30000	2
222222	1	Sub job 1	9000	6600	400	17	1/10/15	2/14/15	35000	3
222222	2	Sub job 2	8500	6000	450	20	1/25/15	2/28/15	35000	2
333333	1	Sub job 1	7500	5600	300	20	4/7/15	4/10/15	25000	3
444444	1	Sub job 1	6500	4200	300	15	6/15/14	7/7/14	20000	1
555555	1	Sub job 1	6300	4700	350	20	10/17/15	10/30/15	20000	4
666666	1	Sub job 1	7200	5800	450	25	5/10/15	5/29/15	25000	2

Shipment

Shipment_Id	Actual_Ship_Da	Requested_Ship_Date	Actual_Quantity	Requested_Quantity	Boxes	Quantity_Per_Box	Quantity_Per_Partial_Box	Shipment_Amount	Job_Id	Subjob_Id	Invoice_id	Cust_Loc_Key
111111	1/15/14	1/10/14	10000	10000	10	1000	0	15000	111111	1	111111	1111111
111112	1/17/14	1/17/14	15500	15500	15	1000	500	22500	111111	1	111112	1111112
111113	2/2/14	2/3/14	10000	10000	3	3000	1000	9000	111111	2	111112	1111111
111114	1/26/15	1/25/15	10000	10000	6	1500	1000	13500	222222	1	111113	1111121
111115	2/2/15	2/3/15	10000	10000	6	1500	1000	13500	222222		111113	1111121
111116	2/15/15	2/13/15	15000	12000	8	1400	800	15500	222222	2	111113	1111121
111117	4/10/15	4/11/15	10000	10000	7	1500	500	7000	333333	1		1111131

Invoice

Invoice_Id	Date_Invoiced	Date_Due	Invoice_Amount	Cust_Key	Invoice_Quantity	Invoice_Shipped
111111	1/24/14	2/15/14	37500	111111	25400	25500
111112	2/24/14	3/14/14	9000	111111	9000	9000
111113	2/24/15	3/10/15	42500	111112	30900	32000

FACT TABLES

JobRevenue

Job_Id	Job_Desc	Number_SubJobs	Contract_Date	Date_Promised	Unit_Price	Quotation_Amount	Quotation_Quantity	Location_Id	Sales_Class_Id	Sales_Agent_Id	Cust_Key
111111	Job 1	5	1/3/14	3/1/14	1,1	107800	100000	1	1	1	111111
222222	Job 2	4	1/3/15	3/3/15	0,8	133000	175000	1	2	2	111112
333333	Job 3	6	4/3/15	5/15/15	0,7	118825	175000	3	3	3	111113
444444	Job 4	3	6/3/14	9/15/14	1,5	73500	50000	4	3	3	111113
555555	Job 5	4	10/5/14	12/15/14	1,5	114000	80000	2	2	1	111111
666666	Job 6	6	5/1/15	9/1/15	1,3	195520	160000	2	2	1	111111

Lead2Job / Job

Lead_Id	Quote_Qty	Quote_Price	Quote_Value	Created_Date	Cust_Key	Location_Id	Sales_Agent_Id	Sales_Class_Id	Job_Id	Job_Desc	Number_SubJobs	Contract_Date	Date_Promised	Unit_Price	Quantity_Ordered	Quotation_Amount	Quotation_Quantity
555555	100000	1,1	107800	12/5/13	111111	1	1	1	1	111111 Job 1	5	1/3/14	3/1/14	1,1	100000	107800	100000
665556	200000	0,8	133000	11/20/14	111112	1	2	2	2	222222 Job 2	4	1/3/15	3/3/15	0,8	200000	133000	175000
690006	175000	0,7	118825	4/17/15	111113	3	3	3	3	333333 Job 3	6	4/3/15	5/15/15	0,7	150000	118825	175000
734033	50000	1,5	73500	8/10/14	111113	2	1	2		444444 Job 4	3	6/3/14	9/15/14	1,5	50000	73500	50000
633557	80000	1,5	114000	5/17/14	111111	2	1	2		555555 Job 5	4	10/5/14	12/15/14	1,5	75000	114000	80000
756778	160000	1,3	195520	7/14/15	111111	2	1	2		666666 Job 6	6	5/1/15	9/1/15	1,3	160000	195520	160000
333125	95000	0,9	83790	6/8/13	111114	1	3	2									
673125	115000	0,9	100395	3/15/14	111112	3	2	1									

Invoice

Invoice_Id	Date_Invoiced	Date_Due	Invoice_Amount	Cust_Key	Invoice_Quantity	Invoice_Shipped
111111	1/24/14	2/15/14	37500	111111	25400	25500
111112	2/24/14	3/14/14	9000	111111	9000	9000
111113	2/24/15	3/10/15	42500	111112	30900	32000

Sales2Costs

Summary_Sales_Id	Actual_Units	Actual_Amount	Forecast_Units	Forecast_Amount	Location_Id	Sales_Class_Id	Begin_Date	End_Date	Summary_Cost_Id	Actual_Units	Actual_Labor_Cost	Actual_Material_Co	Actual_Overhead_C	Actual_Machine_Co	Budget_Units	Budget_Labor_Cost	Budget_Material_C	Budget_Overhead_	Budget_Machine_C	Machine_Type_Id
1	759.000	993.800 $	10.000.000,00	13.500.000 $	1	1	1/1/14	1/31/14	1	1.125.000	2.685 $	1.574 $	1.111 $	1.667 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
2	1.636.000	1.883.800	10.000.000,00	13.500.000 $	1	1	2/1/14	2/28/14	2	2.081.250	4.968 $	2.912 $	2.056 $	3.083 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
3	2.323.000	3.103.800	10.000.000,00	13.500.000 $	1	1	3/1/14	3/31/14	3	3.037.500	7.250 $	4.250 $	3.000 $	4.500 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
4	2.892.000	3.896.800	10.000.000,00	13.500.000 $	1	1	4/1/14	4/30/14	4	3.993.750	9.532 $	5.588 $	3.944 $	5.917 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
5	3.769.000	5.116.800	10.000.000,00	13.500.000 $	1	1	5/1/14	5/31/14	5	4.950.000	11.815 $	6.926 $	4.889 $	7.333 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
6	4.646.000	6.336.800	10.000.000,00	13.500.000 $	1	1	6/1/14	6/30/14	6	5.906.250	14.097 $	8.264 $	5.833 $	8.750 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
7	5.523.000	7.556.800	10.000.000,00	13.500.000 $	1	1	7/1/14	7/31/14	7	6.862.500	16.380 $	9.602 $	6.778 $	10.167 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
8	6.400.000	8.776.800	10.000.000,00	13.500.000 $	1	1	8/1/14	8/31/14	8	8.043.750	19.199 $	11.255 $	7.944 $	11.917 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
9	7.277.000	9.996.800	10.000.000,00	13.500.000 $	1	1	9/1/14	9/30/14	9	9.000.000	21.481 $	12.593 $	8.889 $	13.333 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
10	8.154.000	11.216.800	10.000.000,00	13.500.000 $	1	1	10/1/14	10/31/14	10	10.091.250	24.086 $	14.119 $	9.967 $	14.950 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
11	9.031.000	12.436.800	10.000.000,00	13.500.000 $	1	1	11/1/14	11/30/14	11	11.047.500	26.368 $	15.457 $	10.911 $	16.367 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	
12	9.908.000	13.656.800	10.000.000,00	13.500.000 $	1	1	12/1/14	12/31/14	12	12.150.000	29.000 $	17.000 $	12.000 $	18.000 $	13.500.000	32.222,2 $	18.889 $	13.333 $	20.000 $	