

TASK-6 Screen Shots

Data Table

Results		Messages						
	Invoice	StockCode	Description	Quantity	InvoiceDate	Price	Customer_ID	Country
1	489434	85048	15CM CHRISTMAS GLASS BALL 20 LIGHTS	12	2009-12-01 07:45:00.0000000	6.94999980926514	13085	United Kingdom
2	489434	79323P	PINK CHERRY LIGHTS	12	2009-12-01 07:45:00.0000000	6.75	13085	United Kingdom
3	489434	79323W	WHITE CHERRY LIGHTS	12	2009-12-01 07:45:00.0000000	6.75	13085	United Kingdom
4	489434	22041	RECORD FRAME 7" SINGLE SIZE	48	2009-12-01 07:45:00.0000000	2.09999990463257	13085	United Kingdom
5	489434	21232	STRAWBERRY CERAMIC TRINKET BOX	24	2009-12-01 07:45:00.0000000	1.25	13085	United Kingdom
6	489434	22064	PINK DOUGHNUT TRINKET POT	24	2009-12-01 07:45:00.0000000	1.64999997615814	13085	United Kingdom
7	489434	21871	SAVE THE PLANET MUG	24	2009-12-01 07:45:00.0000000	1.25	13085	United Kingdom
8	489434	21523	FANCY FONT HOME SWEET HOME DOORMAT	10	2009-12-01 07:45:00.0000000	5.94999980926514	13085	United Kingdom
9	489435	22350	CAT BOWL	12	2009-12-01 07:46:00.0000000	2.54999995231628	13085	United Kingdom
10	489435	22349	DOG BOWL . CHASING BALL DESIGN	12	2009-12-01 07:46:00.0000000	3.75	13085	United Kingdom
11	489435	22195	HEART MEASURING SPOONS LARGE	24	2009-12-01 07:46:00.0000000	1.64999997615814	13085	United Kingdom
12	489435	22353	LUNCHBOX WITH CUTLERY FAIRY CAKES	12	2009-12-01 07:46:00.0000000	2.54999995231628	13085	United Kingdom
13	489436	48173C	DOOR MAT BLACK FLOCK	10	2009-12-01 09:06:00.0000000	5.94999980926514	13078	United Kingdom
14	489436	21755	LOVE BUILDING BLOCK WORD	18	2009-12-01 09:06:00.0000000	5.44999980926514	13078	United Kingdom
15	489436	21754	HOME BUILDING BLOCK WORD	3	2009-12-01 09:06:00.0000000	5.94999980926514	13078	United Kingdom
16	489436	84879	ASSORTED COLOUR BIRD ORNAMENT	16	2009-12-01 09:06:00.0000000	1.69000005722046	13078	United Kingdom

Revenue Calculating

	Invoice	StockCode	Description	Quantity	InvoiceDate	Price	Customer_ID	Country	YEARS	MONTHS	REVENUE
1	489434	85048	15CM CHRISTMAS GLASS BALL 20 LIGHTS	12	2009-12-01 07:45:00.0000000	6.94999980926514	13085	United Kingdom	2009	12	83.399997711816
2	489434	79323P	PINK CHERRY LIGHTS	12	2009-12-01 07:45:00.0000000	6.75	13085	United Kingdom	2009	12	81
3	489434	79323W	WHITE CHERRY LIGHTS	12	2009-12-01 07:45:00.0000000	6.75	13085	United Kingdom	2009	12	81
4	489434	22041	RECORD FRAME 7" SINGLE SIZE	48	2009-12-01 07:45:00.0000000	2.09999990463257	13085	United Kingdom	2009	12	100.799995422363
5	489434	21232	STRAWBERRY CERAMIC TRINKET BOX	24	2009-12-01 07:45:00.0000000	1.25	13085	United Kingdom	2009	12	30
6	489434	22064	PINK DOUGHNUT TRINKET POT	24	2009-12-01 07:45:00.0000000	1.64999997615814	13085	United Kingdom	2009	12	39.5999994277954
7	489434	21871	SAVE THE PLANET MUG	24	2009-12-01 07:45:00.0000000	1.25	13085	United Kingdom	2009	12	30
8	489434	21523	FANCY FONT HOME SWEET HOME DOORMAT	10	2009-12-01 07:45:00.0000000	5.94999980926514	13085	United Kingdom	2009	12	59.4999980926514
9	489435	22350	CAT BOWL	12	2009-12-01 07:46:00.0000000	2.54999995231628	13085	United Kingdom	2009	12	30.5999994277954
10	489435	22349	DOG BOWL , CHASING BALL DESIGN	12	2009-12-01 07:46:00.0000000	3.75	13085	United Kingdom	2009	12	45
11	489435	22195	HEART MEASURING SPOONS LARGE	24	2009-12-01 07:46:00.0000000	1.64999997615814	13085	United Kingdom	2009	12	39.5999994277954
12	489435	22353	LUNCHBOX WITH CUTLERY FAIRY CAKES	12	2009-12-01 07:46:00.0000000	2.54999995231628	13085	United Kingdom	2009	12	30.5999994277954
13	489436	48173C	DOOR MAT BLACK FLOCK	10	2009-12-01 09:06:00.0000000	5.94999980926514	13078	United Kingdom	2009	12	59.4999980926514
14	489436	21755	LOVE BUILDING BLOCK WORD	18	2009-12-01 09:06:00.0000000	5.44999980926514	13078	United Kingdom	2009	12	98.0999965667725

Negative value in Quantity

		NEGATIVE_COUNT	
1		12326	

Handling Negative value

	Invoice	StockCode	Description	Quantity	InvoiceDate	Price	Customer_ID	Country	YEARS	MONTHS	Quantities
1	489434	85048	15CM CHRISTMAS GLASS BALL 20 LIGHTS	12	2009-12-01 07:45:00.0000000	6.94999980926514	13085	United Kingdom	2009	12	12
2	489434	79323P	PINK CHERRY LIGHTS	12	2009-12-01 07:45:00.0000000	6.75	13085	United Kingdom	2009	12	12
3	489434	79323W	WHITE CHERRY LIGHTS	12	2009-12-01 07:45:00.0000000	6.75	13085	United Kingdom	2009	12	12
4	489434	22041	RECORD FRAME 7" SINGLE SIZE	48	2009-12-01 07:45:00.0000000	2.09999990463257	13085	United Kingdom	2009	12	48
5	489434	21232	STRAWBERRY CERAMIC TRINKET BOX	24	2009-12-01 07:45:00.0000000	1.25	13085	United Kingdom	2009	12	24
6	489434	22064	PINK DOUGHNUT TRINKET POT	24	2009-12-01 07:45:00.0000000	1.64999997615814	13085	United Kingdom	2009	12	24
7	489434	21871	SAVE THE PLANET MUG	24	2009-12-01 07:45:00.0000000	1.25	13085	United Kingdom	2009	12	24
8	489434	21523	FANCY FONT HOME SWEET HOME DOORMAT	10	2009-12-01 07:45:00.0000000	5.94999980926514	13085	United Kingdom	2009	12	10
9	489435	22350	CAT BOWL	12	2009-12-01 07:46:00.0000000	2.54999995231628	13085	United Kingdom	2009	12	12
10	489435	22349	DOG BOWL , CHASING BALL DESIGN	12	2009-12-01 07:46:00.0000000	3.75	13085	United Kingdom	2009	12	12
11	489435	22195	HEART MEASURING SPOONS LARGE	24	2009-12-01 07:46:00.0000000	1.64999997615814	13085	United Kingdom	2009	12	24
12	489435	22353	LUNCHBOX WITH CUTLERY FAIRY CAKES	12	2009-12-01 07:46:00.0000000	2.54999995231628	13085	United Kingdom	2009	12	12
13	489436	48173C	DOOR MAT BLACK FLOCK	10	2009-12-01 09:06:00.0000000	5.94999980926514	13078	United Kingdom	2009	12	10
14	489436	21755	LOVE BUILDING BLOCK WORD	18	2009-12-01 09:06:00.0000000	5.44999980926514	13078	United Kingdom	2009	12	18
15	489436	21754	HOME BUILDING BLOCK WORD	2	2009-12-01 09:06:00.0000000	5.44999980926514	13078	United Kingdom	2009	12	2

Total Revenue By Month

	MONTHS	TOTAL_REVENUE
1	1	681384.11
2	2	574335.18
3	3	901291.5
4	4	718883.19
5	5	704394.89
6	6	824753.67
7	7	682157.73
8	8	737773.48
9	9	995015.59
10	10	1246873.59
11	11	1517890.32
12	12	1351741.26

Total Revenue By Year

	YEARS	TOTAL_REVENUE
1	2009	851524.41
2	2010	10084970.08

Top 3 Months

	YEARS	MONTHS	TOTAL_REVENUE
1	2010	11	1517890.315
2	2010	10	1246873.595
3	2010	9	995015.586

Top 10 Customer

	Customer_ID	REVENUE
1	18102	356551.97
2	14646	252939.95
3	14156	209952.93
4	14911	166619.23
5	13694	134713.96
6	16684	85368.25
7	17511	85321.74
8	15061	84406.02
9	16754	76441.96
10	17949	74090.45

Top 5 Country By Revenue

	Country	TOTAL_REVENUE
1	United Kingdom	9360928.93062043
2	EIRE	409712.907744855
3	Netherlands	273708.58911711
4	Germany	208500.290260946
5	France	163653.079132676

Top Country By Sales

	Country	TOTAL_QUANTITY
1	United Kingdom	5371796
2	France	251895
3	Denmark	232350
4	EIRE	197530
5	Netherlands	185537
6	Germany	110347
7	Sweden	52896
8	Spain	27380
9	Switzerland	22457
10	Australia	20325

Highest Stock Sold

	StockCode	TOTAL_QUANTITY	TOTAL_PRICE
1	21212	60871	1289.41
2	85123A	60045	10897.48
3	84077	55706	124.79
4	85099B	51799	4568.05
5	17003	49121	56.96
6	84879	46228	2899.01
7	22197	44029	1076.71
8	84016	39932	3324.2
9	84991	36678	909.3
10	84347	33276	1194.06

Extracting week from date

	Invoice	StockCode	Description	Quantity	InvoiceDate	Price	Customer_ID	Country	YEARS	MONTHS	Quantities	WEEK_DAY
1	489434	85048	15CM CHRISTMAS GLASS BALL 20 LIGHTS	12	2009-12-01 07:45:00.0000000	6.94999980926514	13085	United Kingdom	2009	12	12	Tuesday
2	489434	79323P	PINK CHERRY LIGHTS	12	2009-12-01 07:45:00.0000000	6.75	13085	United Kingdom	2009	12	12	Tuesday
3	489434	79323W	WHITE CHERRY LIGHTS	12	2009-12-01 07:45:00.0000000	6.75	13085	United Kingdom	2009	12	12	Tuesday
4	489434	22041	RECORD FRAME 7" SINGLE SIZE	48	2009-12-01 07:45:00.0000000	2.09999990463257	13085	United Kingdom	2009	12	48	Tuesday
5	489434	21232	STRAWBERRY CERAMIC TRINKET BOX	24	2009-12-01 07:45:00.0000000	1.25	13085	United Kingdom	2009	12	24	Tuesday
6	489434	22064	PINK DOUGHNUT TRINKET POT	24	2009-12-01 07:45:00.0000000	1.64999997615814	13085	United Kingdom	2009	12	24	Tuesday
7	489434	21871	SAVE THE PLANET MUG	24	2009-12-01 07:45:00.0000000	1.25	13085	United Kingdom	2009	12	24	Tuesday
8	489434	21523	FANCY FONT HOME SWEET HOME DOORMAT	10	2009-12-01 07:45:00.0000000	5.94999980926514	13085	United Kingdom	2009	12	10	Tuesday
9	489435	22350	CAT BOWL	12	2009-12-01 07:46:00.0000000	2.54999995231628	13085	United Kingdom	2009	12	12	Tuesday
10	489435	22349	DOG BOWL . CHASING BALL DESIGN	12	2009-12-01 07:46:00.0000000	3.75	13085	United Kingdom	2009	12	12	Tuesday
11	489435	22195	HEART MEASURING SPOONS LARGE	24	2009-12-01 07:46:00.0000000	1.64999997615814	13085	United Kingdom	2009	12	24	Tuesday
12	489435	22353	LUNCHBOX WITH CUTLERY FAIRY CAKES	12	2009-12-01 07:46:00.0000000	2.54999995231628	13085	United Kingdom	2009	12	12	Tuesday
13	489436	48173C	DOOR MAT BLACK FLOCK	10	2009-12-01 09:06:00.0000000	5.94999980926514	13078	United Kingdom	2009	12	10	Tuesday
14	489436	21755	LOVE BUILDING BLOCK WORD	18	2009-12-01 09:06:00.0000000	5.44999980926514	13078	United Kingdom	2009	12	18	Tuesday

Sales on weekdays

	WEEK_DAY	TOTAL_SALE
1	Thursday	1322404
2	Monday	1305354
3	Tuesday	1294677
4	Wednesday	1105542
5	Friday	967521
6	Sunday	590432
7	Saturday	5205

Most Sales Hours

	SHIFTS	TOTAL_SALE
1	MORNING	3315561
2	EVENING	2366221
3	AFTERNOON	909353

Order Volume

	YEARS	MONTHS	Order_Volume
1	2009	12	2330
2	2010	1	1633
3	2010	2	1969
4	2010	3	2367
5	2010	4	1892
6	2010	5	2418
7	2010	6	2216
8	2010	7	2017
9	2010	8	1877
10	2010	9	2375
11	2010	10	2965
12	2010	11	3669
13	2010	12	1088