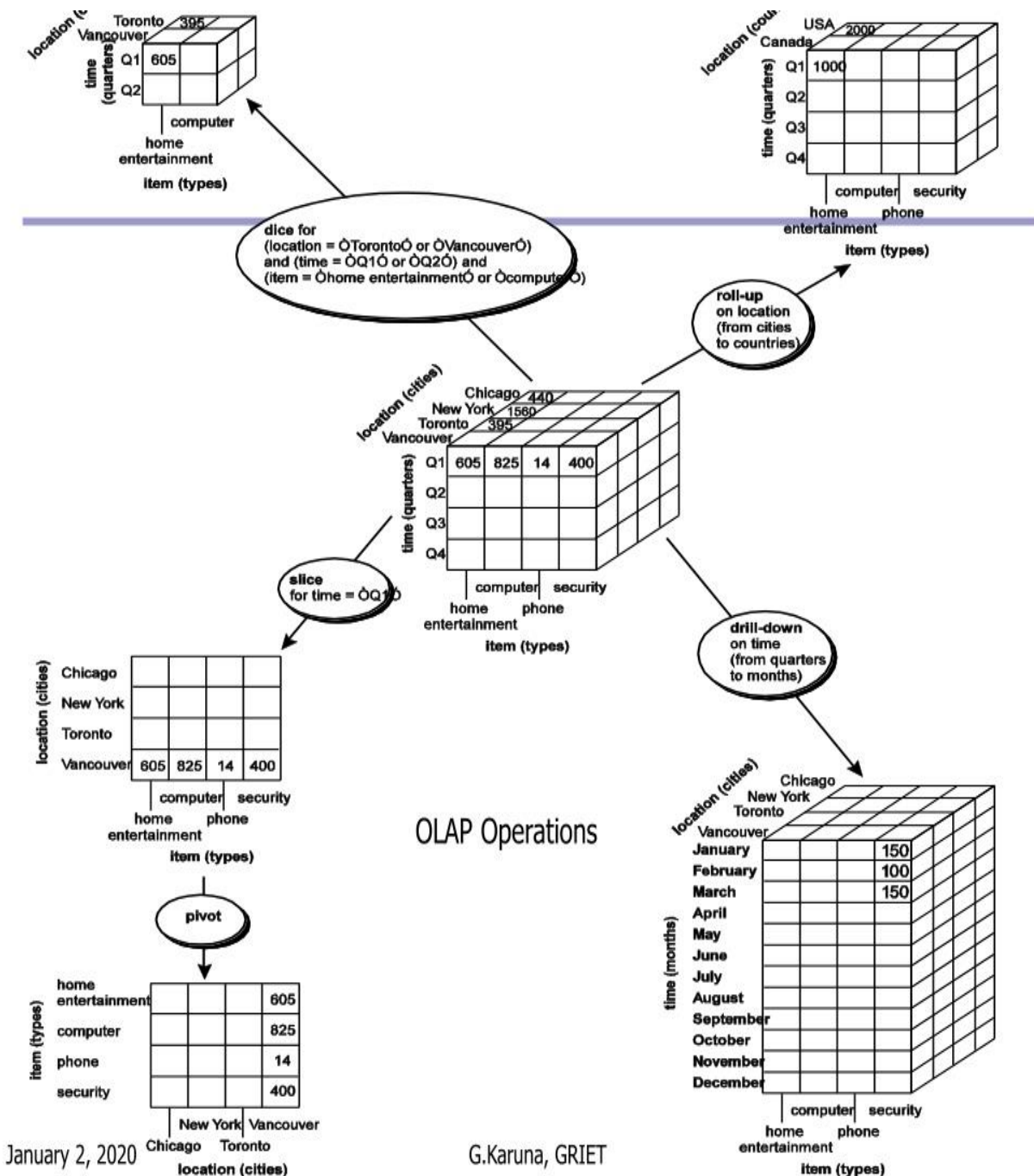




Academic Year: 2022-2023

Name:	Prerna Sunil Jadhav
Sap Id:	60004220127
Class:	T. Y. B.Tech (Computer Engineering)
Course:	Data Mining and Warehouse Laboratory
Course Code:	DJ19CEL501
Experiment No.:	07

AIM: Perform OLAP operations such as Rollup, Drill down, Slice and Dice, Pivot on Data Warehouse.





Academic Year: 2022-2023

To create Pivot of Table using MS Excel

Follow these steps:

1. Start with M.S Excel.
2. In excel sheet create 4 columns PRODUCT, ORIGIN, DAY OF SALE, SOLD UNITS (FACT COLUMN).
3. Insert around fifty rows of data.
4. Save the table data.
5. Go to Insert Tab-> click on Pivot Table-> New work sheet-> Ok.
6. Right side you will find pivot table fields.

It contains all columns of our table that we created. Select product in rows,
 Days in column,
 Unit sold in Σ values.
 Later apply filter using Origin.

Also we can flip the rows & columns or combine together as rows only to see different views of same data.

Dataset:

	A	B	C	D
1	Product	Origin	Day of Sale	Unit Sold
2	WHITE HANGING HEART T-LIGHT HOLDER	United Kingdom	01-12-2010 8.26	6
3	WHITE METAL LANTERN	United Kingdom	01-12-2010 8.26	6
4	CREAM CUPID HEARTS COAT HANGER	United Kingdom	01-12-2010 8.26	8
5	KNITTED UNION FLAG HOT WATER BOTTLE	United Kingdom	01-12-2010 8.26	6
6	RED WOOLLY HOTTIE WHITE HEART.	United Kingdom	01-12-2010 8.26	6
7	SET 7 BABUSHKA NESTING BOXES	United Kingdom	01-12-2010 8.26	2
8	GLASS STAR FROSTED T-LIGHT HOLDER	United Kingdom	01-12-2010 8.26	6
9	HAND WARMER UNION JACK	United Kingdom	01-12-2010 8.28	6
10	HAND WARMER RED POLKA DOT	United Kingdom	01-12-2010 8.28	6
11	ASSORTED COLOUR BIRD ORNAMENT	United Kingdom	01-12-2010 8.34	32
12	POPPY'S PLAYHOUSE BEDROOM	United Kingdom	01-12-2010 8.34	6
13	POPPY'S PLAYHOUSE KITCHEN	United Kingdom	01-12-2010 8.34	6
14	FELTCRAFT PRINCESS CHARLOTTE DOLL	United Kingdom	01-12-2010 8.34	8
15	IVORY KNITTED MUG COSY	United Kingdom	01-12-2010 8.34	6
16	BOX OF 6 ASSORTED COLOUR TEASPOONS	United Kingdom	01-12-2010 8.34	6
17	BOX OF VINTAGE JIGSAW BLOCKS	United Kingdom	01-12-2010 8.34	3
18	BOX OF VINTAGE ALPHABET BLOCKS	United Kingdom	01-12-2010 8.34	2
19	HOME BUILDING BLOCK WORD	United Kingdom	01-12-2010 8.34	3
20	LOVE BUILDING BLOCK WORD	United Kingdom	01-12-2010 8.34	3
21	RECIPE BOX WITH METAL HEART	United Kingdom	01-12-2010 8.34	4
22	DOORMAT NEW ENGLAND	United Kingdom	01-12-2010 8.34	4
23	JAM MAKING SET WITH JARS	United Kingdom	01-12-2010 8.34	6
24	RED COAT RACK PARIS FASHION	United Kingdom	01-12-2010 8.34	3
25	YELLOW COAT RACK PARIS FASHION	United Kingdom	01-12-2010 8.34	3
26	BLUE COAT RACK PARIS FASHION	United Kingdom	01-12-2010 8.34	3
27	BATH BUILDING BLOCK WORD	United Kingdom	01-12-2010 8.35	3
28	ALARM CLOCK BAKELIKE PINK	France	01-12-2010 8.45	24
29	ALARM CLOCK BAKELIKE RED	France	01-12-2010 8.45	24



Academic Year: 2022-2023

CASE 1:

PivotTable Fields

Choose fields to add to report:

Search

- ☒ Product
- ☒ Origin
- ☒ Day of Sale
- ☒ Unit Sold
- ☒ Quarters
- ☒ Years

More Tables...

Drag fields between areas below:

Filters

Origin

Columns

Years

Quarters

Day of Sale

Rows

Product

Values

Sum of Unit Sold

☐ Defer Layout Update

Update

Origin	(All)															
Sum of Unit Sold	Column Labels															
	Jan	Feb	Feb Total	Mar Total	Apr Total	May Total	Jun Total	Jul Total	Aug Total	Sep Total	Oct Total	Nov Total	Dec Total	Grand Total		
	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011	2011
20 DOLLY PEGS RETROSPOT	77	77	256	256	179	735		-2	77	203	125	210	127	457	2444	
200 BENDY SKULL STRAWS	14	14	2	2	16	194	218	23	14	102	2	2	28	45	660	
200 RED + WHITE BENDY STRAW	78	78	46	46	30	115	35	48	130	121	136	31	70	78	918	
20713 wrongly marked											-200				-200	
3 BIRDS CANVAS SCREEN						1			1						2	
3 BLACK CATS W HEARTS BLANK CARD										6			18		24	
3 DRAWER ANTIQUE WHITE WOOD CABINET										25	163	160	264	89	701	
3 GARDENIA MORRIS BOXED C	21	21	3	3	6		9	2	1	4	12	330	96	13	497	
3 HEARTS HANGING DECORAT	10	10	-5	-5	-1	10	19	20	23	416	301	703	1318	624	3438	
3 HOOK HANGER MAGIC GARD	264	264	175	175	152	221	195	45	58	342	139	-2		100	1689	
3 HOOK PHOTO SHELF ANTIQL	80	80	98	98	150	67	173	391	388	106	27	9	103	107	1699	
3 PIECE SPACEBOY COOKIE CU	323	323	427	427	406	77	73	50	193	131	251	154	276	253	2614	
3 PINK HEN+CHICKS IN BASKE	5	5	3	3	3	1									12	
3 RAFFIA RIBBONS 50'S CHRISTMAS											478	576	887	154	2095	
3 RAFFIA RIBBONS VINTAGE CHRISTMAS											361	212	189	65	827	
3 ROSE MORRIS BOXED CANDL	100	100	20	20		4		5	1		1	271	573	138	1113	
3 STRIPEY MICE FELTCRAFT	49	49	223	223	225	86	184	321	140	310	272	302	421	486	3019	
3 TIER CAKE TIN GREEN AND C	24	24	39	39	58	15	52	29	27	21	71	20	40	37	433	
3 TIER CAKE TIN RED AND CRE	125	125	-47	-47	128		88	23	7	15	70	27	95	30	561	
3 TIER SWEETHEART GARDEN S	3	3	4	4	11	6	8	7	2	5	5	0	1	2	54	
3 TRADITIONAL BISCUIT CUTTE	95	95	79	79	86	78	70	78	152	47	125	95	178	90	1173	
3 TRADITIONAL COOKIE CUTTE	144													18	162	
3 WHITE CHOC MORRIS BOXED	113	113	4	4			8	5	1		15	198	465	141	950	
3 WICK CHRISTMAS BRIAR CAN	-2	-2												1	-1	



Academic Year: 2022-2023

CASE 2:

PivotTable Fields

Choose fields to add to report:

Search

Product

Origin

Day of Sale

Unit Sold

Quarters

Years

More Tables...

Drag fields between areas below:

Filters

Columns

Quarters

Unit Sold

Years

Rows

Origin

Values

Count of Product

Defer Layout Update

Update

Count of Product	Column Labels				Grand Total
	Qtr1	Qtr2	Qtr3	Qtr4	
Row Labels					
Australia	328	309	428	194	1259
Austria	39	79	143	140	401
Bahrain	1	17		1	19
Belgium	346	503	511	709	2069
Brazil		32			32
Canada	10	58	83		151
Channel Islands	224	127	207	200	758
Cyprus	221	49	1	351	622
Czech Republic	15	2		13	30
Denmark	39	125	82	143	389
EIRE	1194	1593	2644	2765	8196
European Community		32	29		61
Finland	239	56	178	222	695
France	1651	1571	2079	3256	8557
Germany	1780	1926	2414	3375	9495
Greece	54	31	25	36	146
Hong Kong	59	141	51	37	288
Iceland	29	42	22	89	182
Israel	30	6	225	36	297
Italy	213	58	122	410	803
Japan	113	73	51	121	358
Lebanon	45				45
Lithuania				35	35

4