

COFFEE ORDER ANALYSIS

EXCEL COMMANDS AND QUERIES

Fetching Data for 'Customer Name' from customer sheet :

```
=XLOOKUP(C2,customers!$A$1:$A$1001,customers!$B$1:$B$1001,,0)
```

Fetching Data for 'Email' from customer sheet :

```
=XLOOKUP(C2,customers!$A$1:$A$1001,customers!$C$1:$C$1001,,0)
```

Checking Blank Data for 'Email' column :

```
=COUNTBLANK(C1:C1001)
```

204

Checking Blank Data for 'Phone Number' column :

```
=COUNTBLANK(D1:D1001)
```

130

Fetching Data for 'Country' from customer sheet :

```
=XLOOKUP(C2,customers!$A$1:$A$1001,customers!$G$1:$G$1001,,0)
```

Fetching Data for 'Coffee type', 'Roast type', 'Size', 'Unit Price' from product sheet respectively :

```
=INDEX(products!$A$1:$G$49,MATCH($D2,products!$A$1:$A$49,0),MATCH(I$1,products!$A$1:$G$1,0))
```

```
=INDEX(products!$A$1:$G$49,MATCH($D2,products!$A$1:$A$49,0),MATCH(J$1,products!$A$1:$G$1,0))
```

```
=INDEX(products!$A$1:$G$49,MATCH($D2,products!$A$1:$A$49,0),MATCH(K$1,products!$A$1:$G$1,0))
```

```
=INDEX(products!$A$1:$G$49,MATCH($D2,products!$A$1:$A$49,0),MATCH(L$1,products!$A$1:$G$1,0))
```

Calculating Sales i.e. = Unit Price * Quantity :

```
=L2*E2
```

Calculating Total Sells :

```
=SUM(M2:M1001)
```

45134.255

Getting 'Coffee Type Name' for Coffee Type Alias :

=IFS(I2="Rob","Robusta",I2="Exc","Excelsa",I2="Ara","Arabica",I2="Lib","Liberica")

Getting 'Roast Type Name' for Roast Type Alias :

=IFS(J2="M","Medium",J2="L","Large",J2="D","Dark")

Changing 'Order Date' Format :

Before :

Order Date
2019-09-05

 After :

Order Date
05-Sep-2019

Changing 'Size' Format :

Before :

Size
1

 After :

Size_
1.0 kg

Converting 'Unit Price' and 'Sales' into currency data type :

Before :

Unit Price	Sales
9.95	19.9

 After :

Unit Price	Sales
\$ 9.95	\$ 19.90

Extracting 'Month' from Order Date :

=TEXT(B2,"mmm")

Fetching Data for 'Loyalty Card' form customer sheet :

=XLOOKUP(\$C\$1:\$C\$1001,customers!\$A\$1:\$A\$1001,customers!\$I\$1:\$I\$1001,,0)

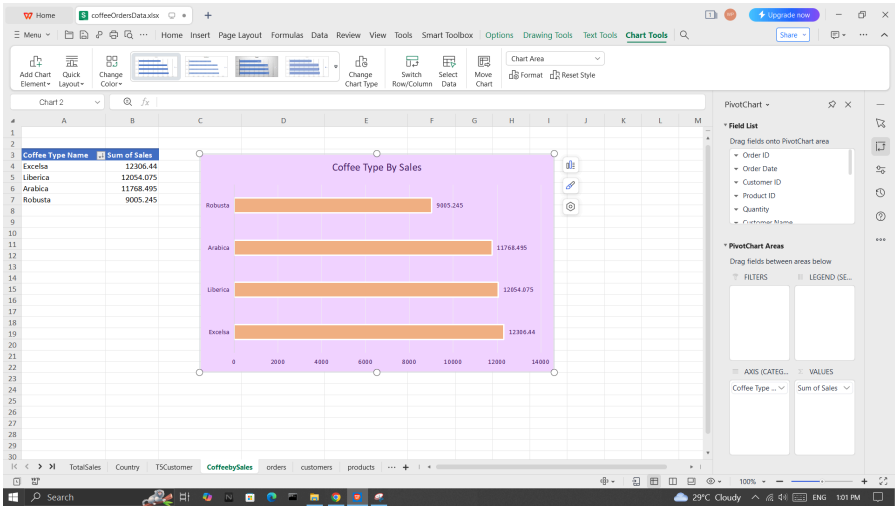
Creating Pivot Table for Country wise Coffee type and Roast type customer choice :

The screenshot displays an Excel spreadsheet with a PivotTable summarizing coffee sales data. The PivotTable is structured with 'Country' and 'Coffee Type Name' as row labels, and 'Roast Type Name' and 'Grand Total' as column labels. The data is categorized by country: United States, Ireland, and United Kingdom. Each country's data is further broken down by coffee type (Arabica, Excelsa, Robusta) and roast type (Large, Medium, Dark). The 'Grand Total' column provides the sum of sales for each category. The PivotTable is located in the 'orders' sheet, and the data source is the 'customers' sheet. The PivotTable area is highlighted in blue, and the PivotTable Fields task pane is visible on the right side of the screen.

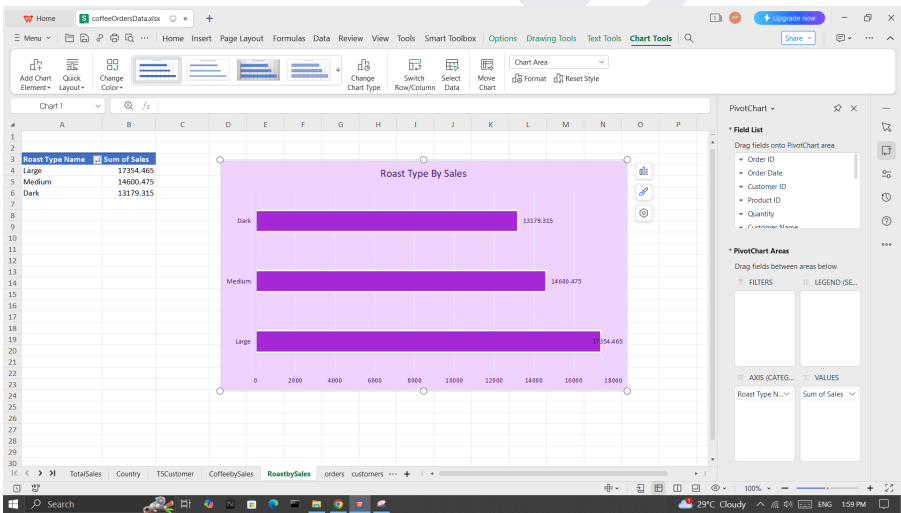
Country	Coffee Type Name	Roast Type Name	Grand Total
United States	Arabica	Large	248
	Excelsa	Medium	259
	Robusta	Dark	267
Ireland	Arabica	Large	44
	Excelsa	Medium	39
	Robusta	Dark	41
United Kingdom	Arabica	Large	26
	Excelsa	Medium	28
	Robusta	Dark	73

Count of Customer ID		Roast Type Name			
Country	Coffee Type Name	Dark	Large	Medium	Grand Total
United States		248	259	267	774
	Arabica	64	69	83	216
	Excelsa	61	64	64	189
	Liberica	64	63	61	188
	Robusta	59	63	59	181
Ireland		66	48	39	153
	Arabica	20	8	13	41
	Liberica	16	14	9	39
	Robusta	16	16	6	38
	Excelsa	14	10	11	35
United Kingdom		19	26	28	73
	Excelsa	7	7	9	23
	Robusta	5	8	9	22
	Liberica	5	10	6	21
	Arabica	2	1	4	7

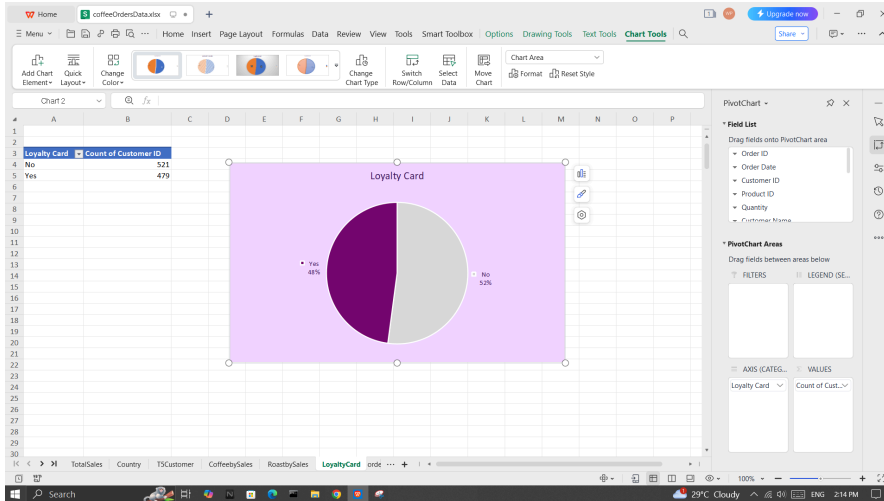
Creating Pivot Table for Coffee Type Name by Sales :



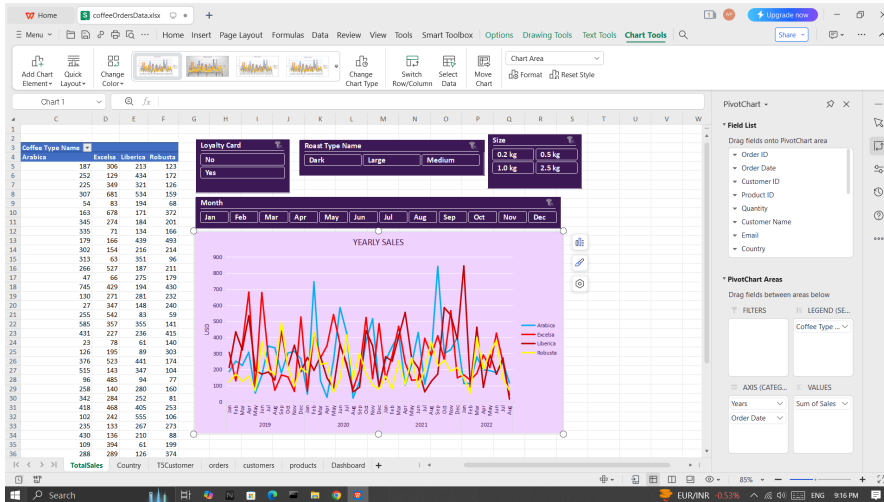
Creating Pivot Table for Roast Type Name by Sales :



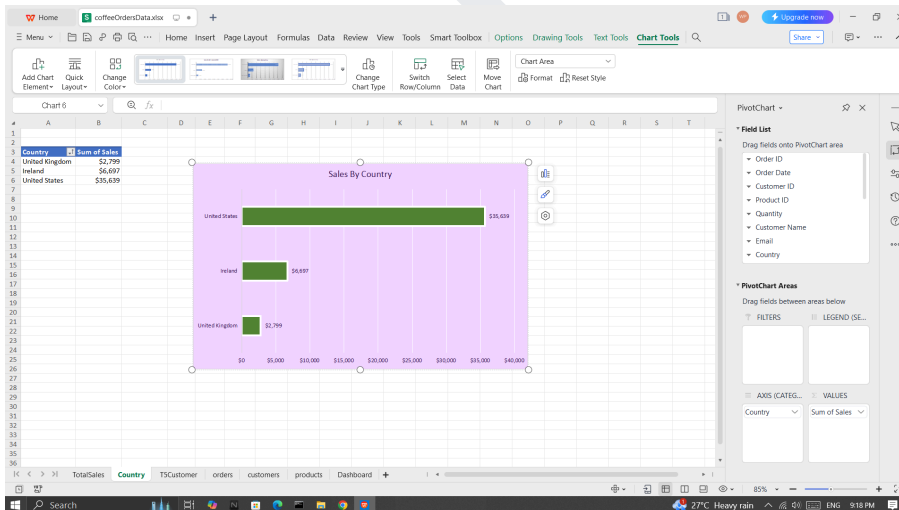
Creating Pivot Table for Loyalty Card :



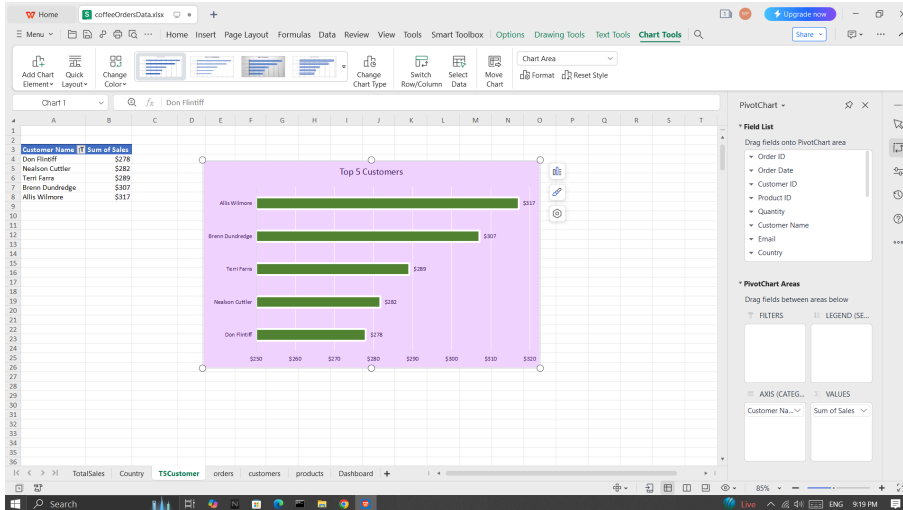
Creating Pivot Table for Yearly Total Sales :



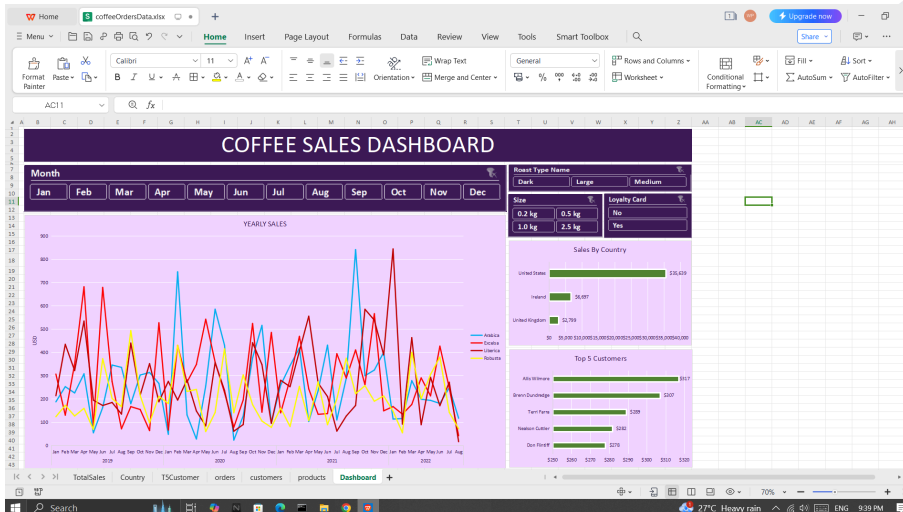
Creating Pivot Table for Country wise Sales :



Creating Pivot Table for Top 5 Customers :



Creating Dashboard 1 :



Creating Dashboard 2 :

