My Learning Experience in the Past Four Weeks

Excel, Azure DevOps, and Database Design

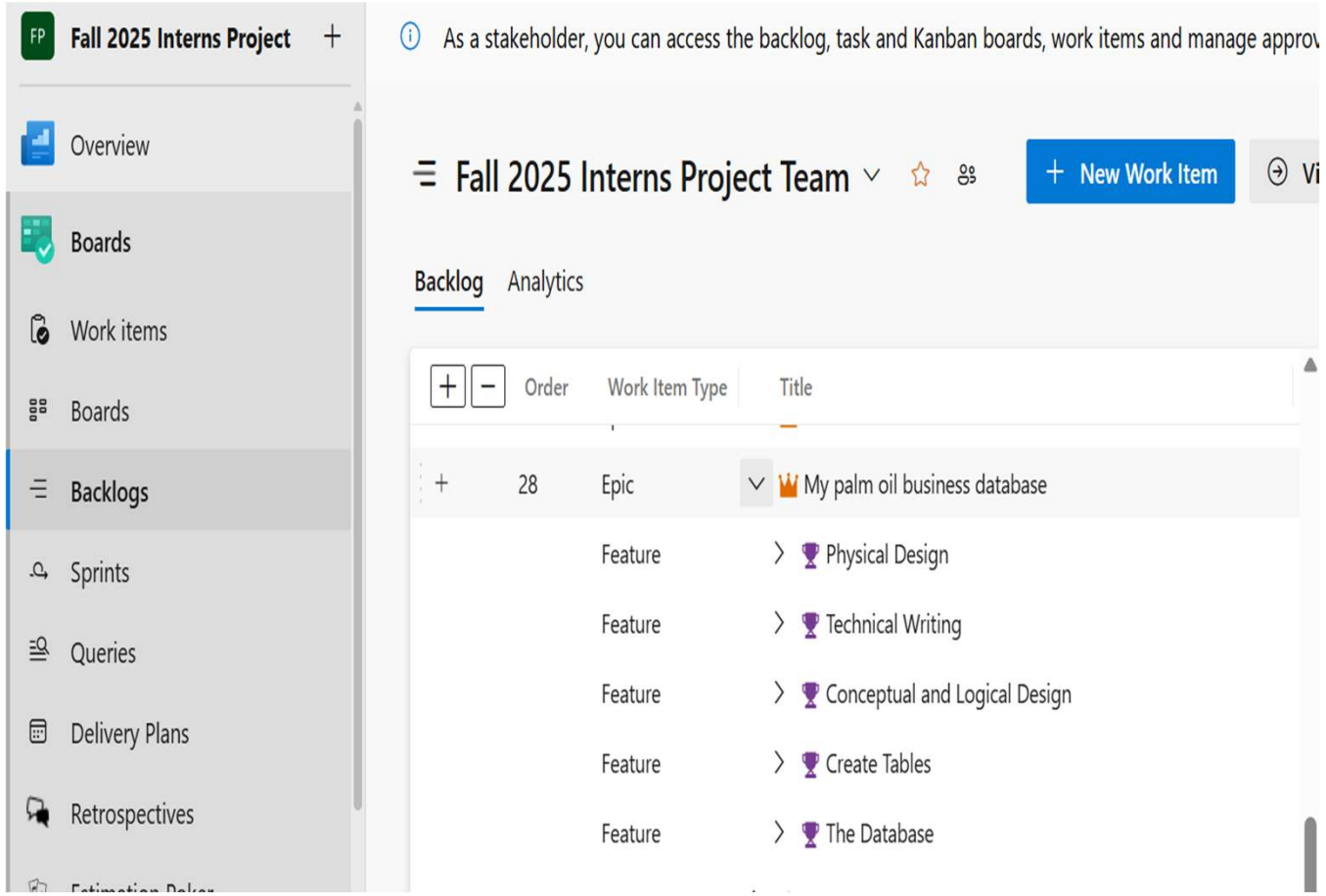
Ogochukwu Ebele

Azure DevOps Experience

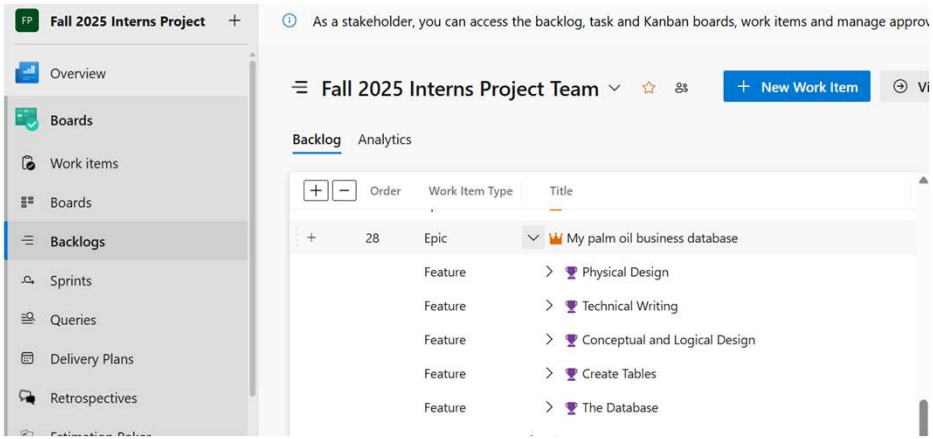
Azure DevOps Experience

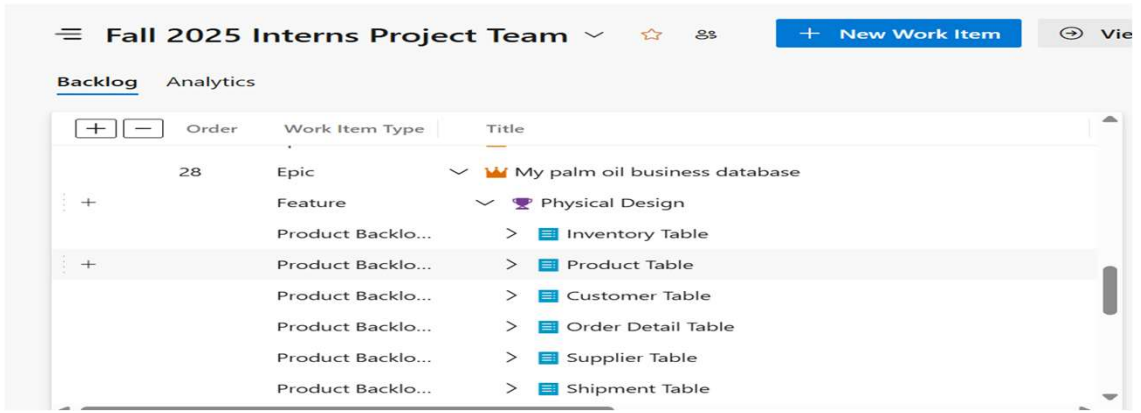
Bullet points:

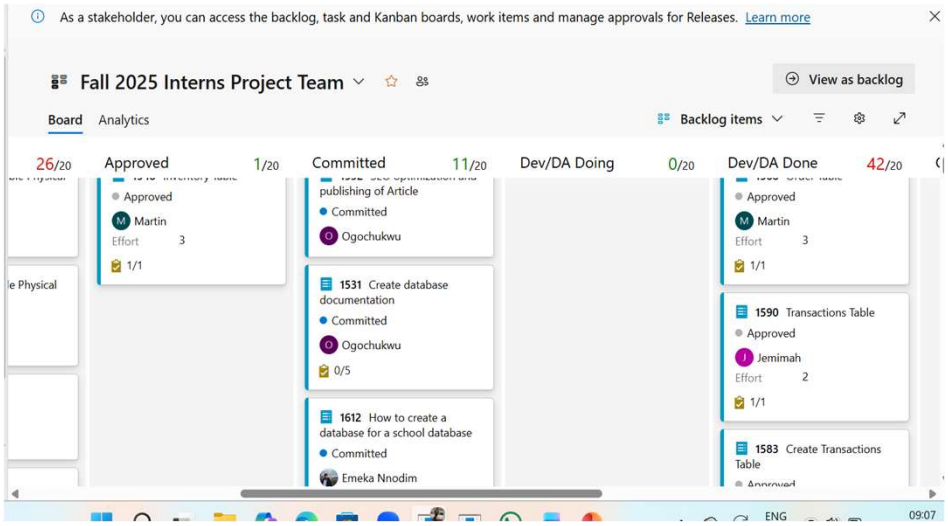
- Working on Azure DevOps interface with team members
- Breaking down projects into smaller tasks
- Creating epics, features, and PBIs
- Shuffling tickets on the board and working on committed tasks
- Completing tasks and closing them on sprint

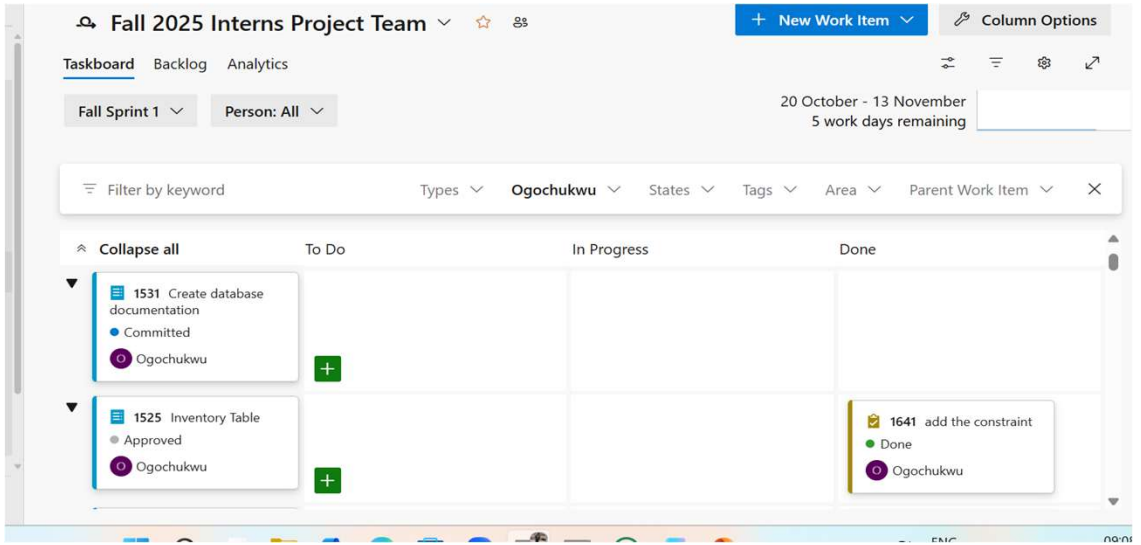


Screenshots Of Azure DevOps Experience







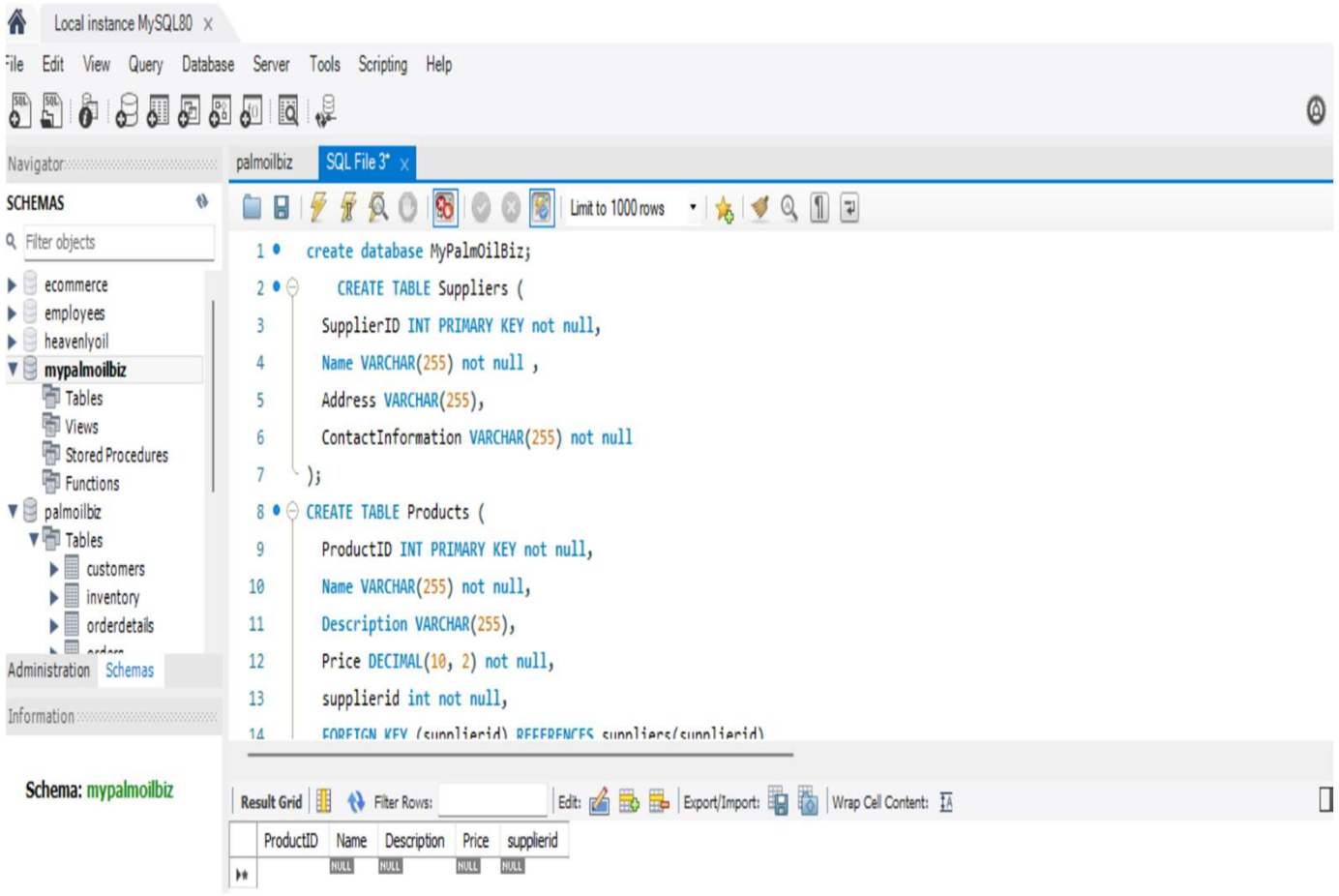


Database Design Project

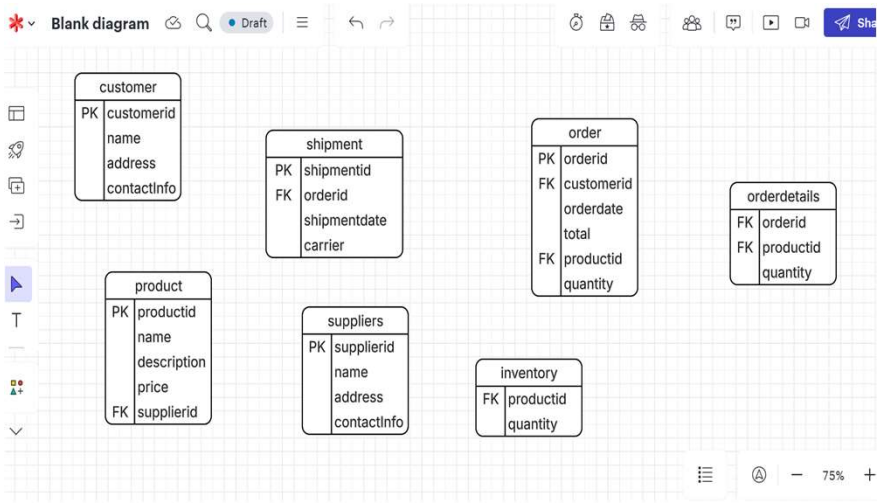
Database Design Project

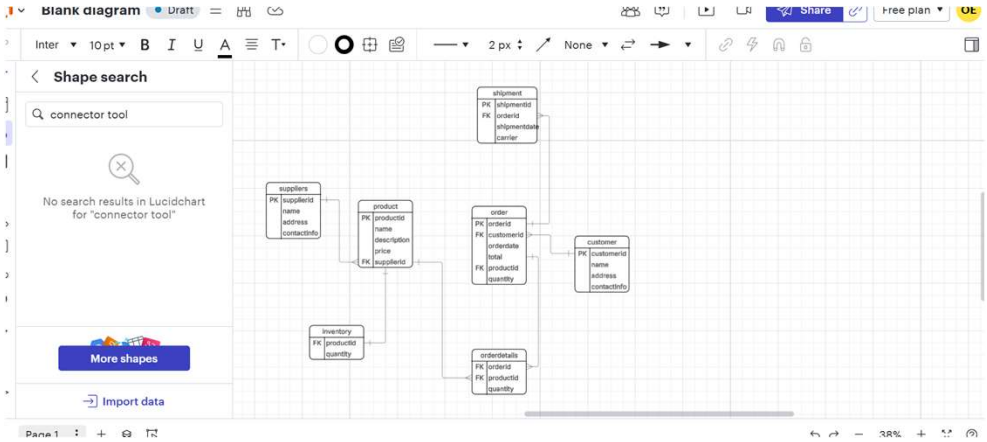
Bullet points:

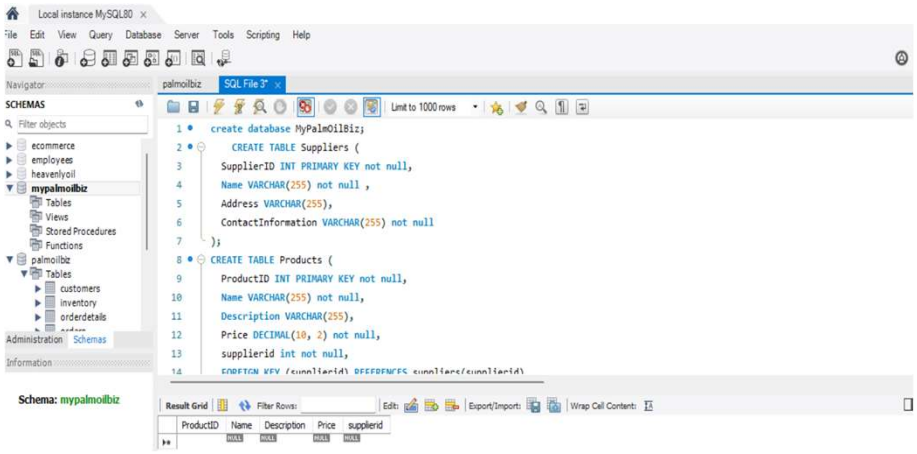
- Designing a palm oil database
- Gathering entities and relations
- Creating ERD on Lucid Chart
- Implementing database on MySQL Workbench
- Writing articles on database design steps



Screenshots of ERD,
Database Design On MySQL Workbench, Technical Writing







Conceptual Stage:

The conceptual stage involves identifying entities, attributes, and relationships. For my palm oil distribution business, the entities are:
- **Suppliers**: Palm oil suppliers
- **Products**: Different types of palm oil products(crude palm oil, refined palm oil, etc)
- **Customers:** Food manufacturers, restaurants, retailers, and wholesalers
- **Orders:** Customer orders for palm oil products
- **Shipments**: Palm oil shipments to customers
- **Inventory:** Current stock levels of palm oil products

Relationships:
-Suppliers provide products
-Customers place orders for products
-Orders are associated with specific products and quantities

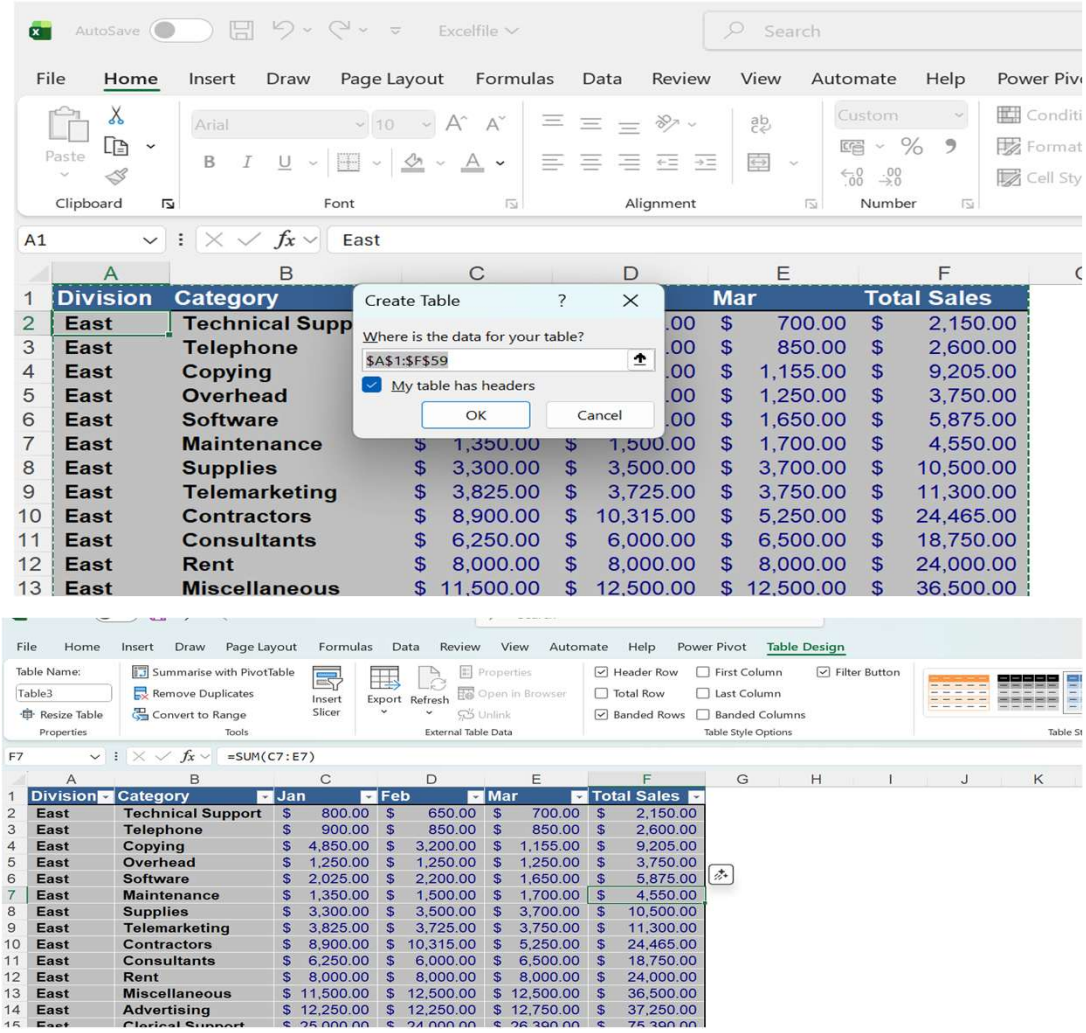
Business Rules:
- A supplier provides products.
- A product has a single inventory record.
- A customer places orders.
- An order can have multiple products with quantities.
- A product can be part of many orders.
- An order can have multiple shipments.

Excel Learning Objectives

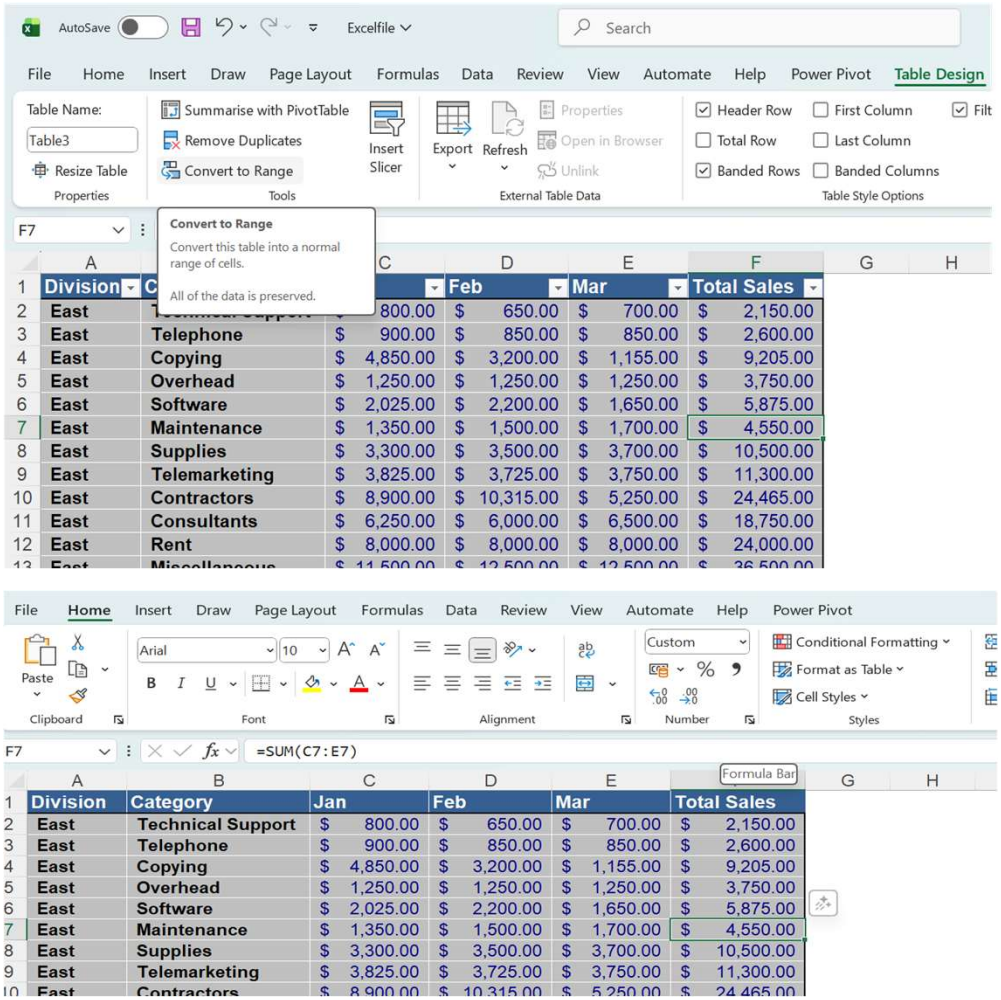
Excel Skills Acquired

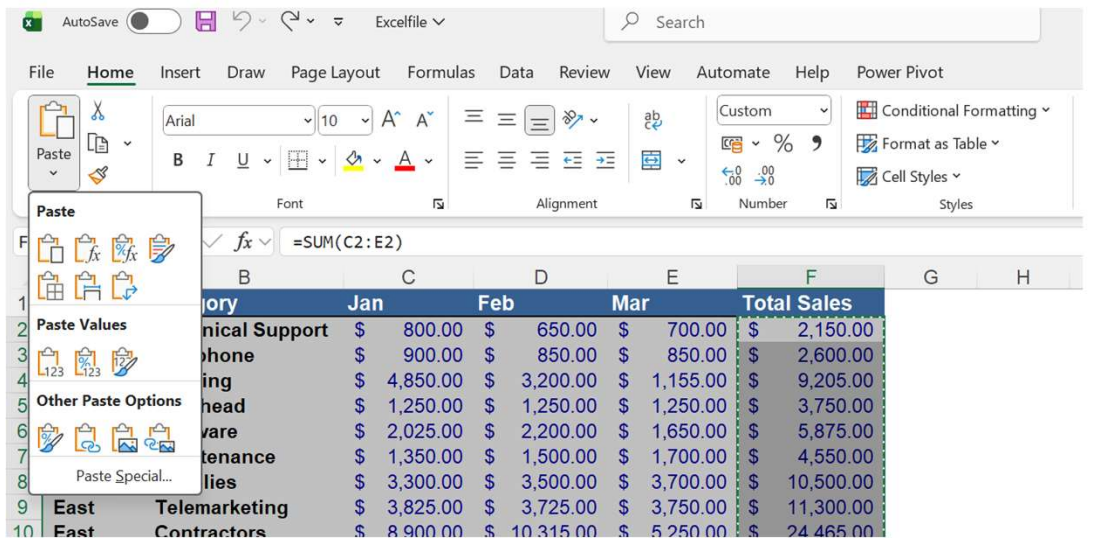
Bullet points:

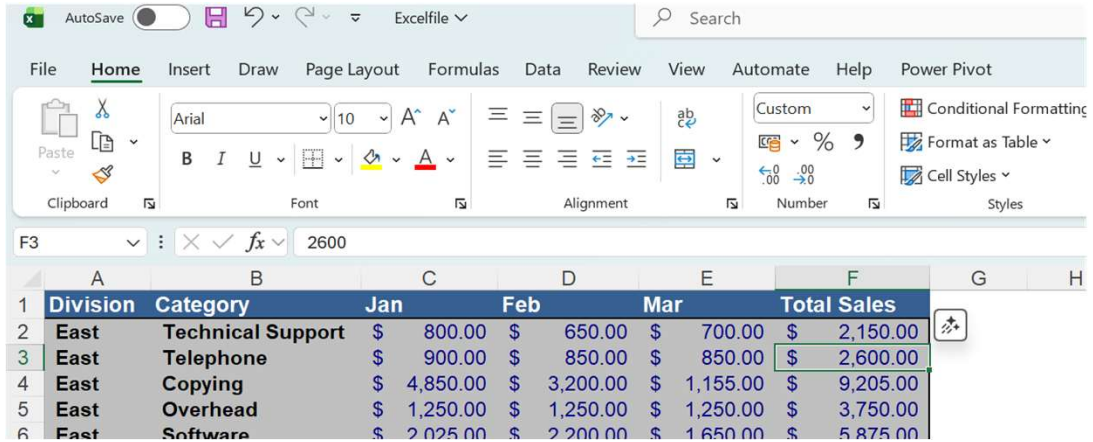
- Converting range to Table by using Ctrl + T
- Converting tables to ranges
- Using Paste Values to override formulas
- Highlighting and deleting duplicate rows
- Data validation
- Calculating subtotal by groups
- Sorting and filtering data
- Creating charts from tables



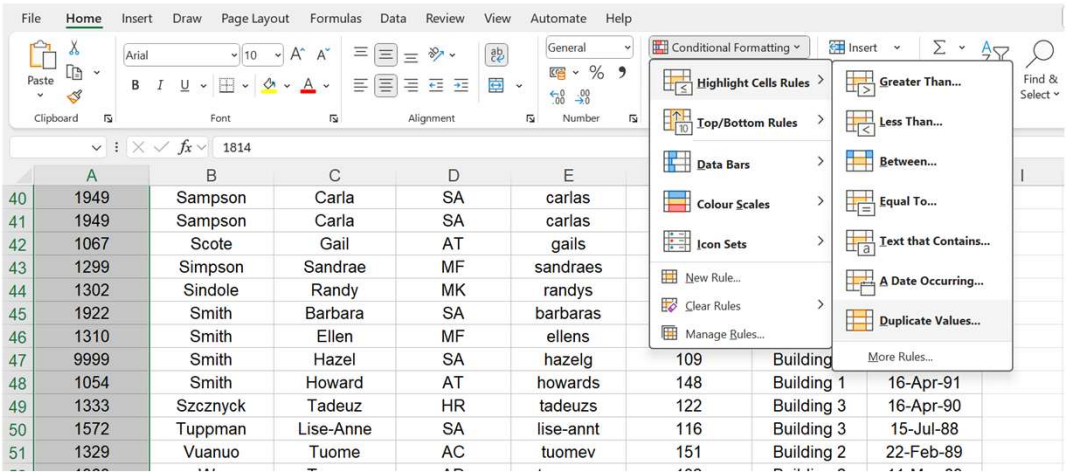
Converting Table to Range and Replacing Formular with Values



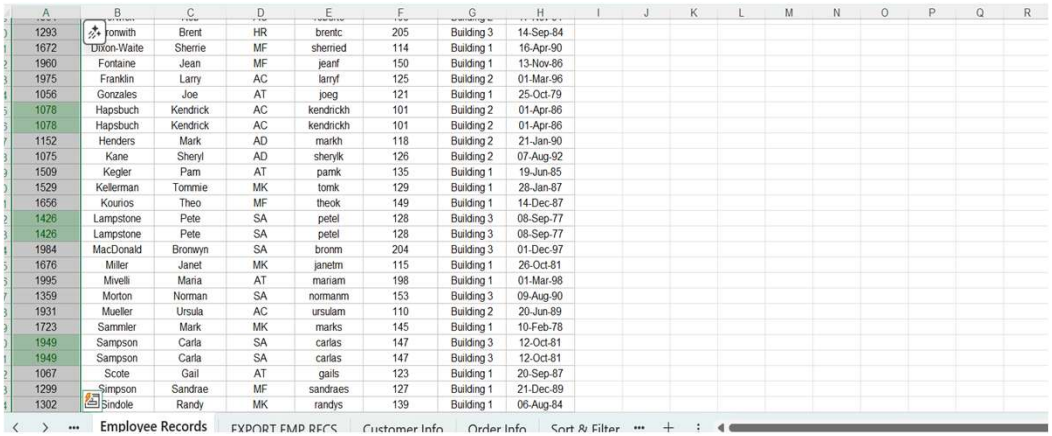




Highlighting and Deleting Duplicates Rows

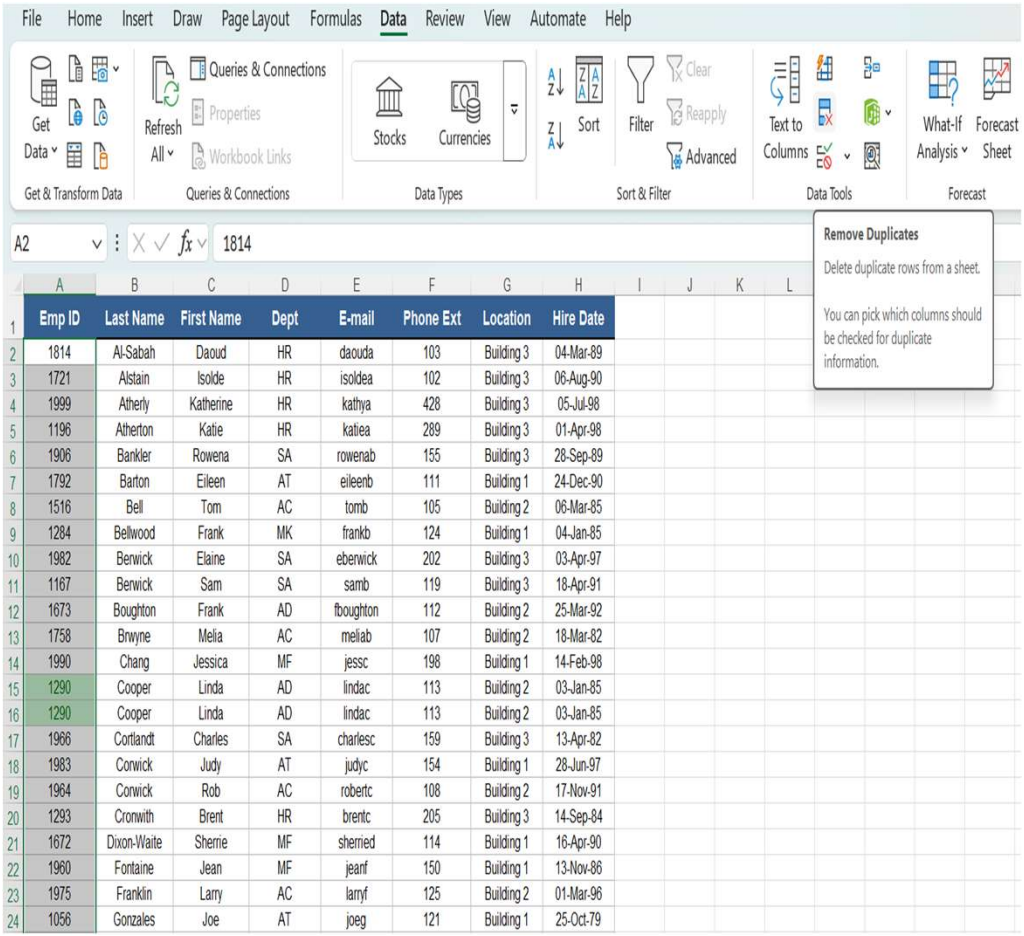


	A	B	C	D	E			
40	1949	Sampson	Carla	SA	carlas			
41	1949	Sampson	Carla	SA	carlas			
42	1067	Scote	Gail	AT	gails			
43	1299	Simpson	Sandrae	MF	sandraes			
44	1302	Sindole	Randy	MK	randys			
45	1922	Smith	Barbara	SA	barbaras			
46	1310	Smith	Ellen	MF	ellens			
47	9999	Smith	Hazel	SA	hazelg	109	Building	
48	1054	Smith	Howard	AT	howards	148	Building 1	16-Apr-91
49	1333	Szcznyck	Tadeuz	HR	tadeuzs	122	Building 3	16-Apr-90
50	1572	Tuppman	Lise-Anne	SA	lise-annt	116	Building 3	15-Jul-88
51	1329	Vuanuo	Tuome	AC	tuomev	151	Building 2	22-Feb-89



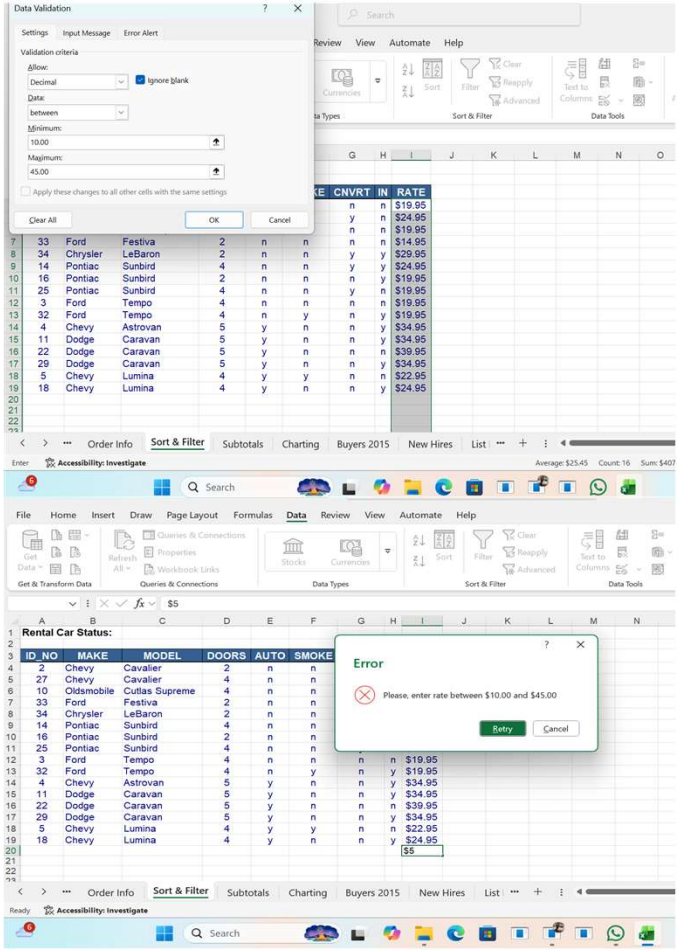
	A	B	C	D	E	F	G	H
	1293	Cronwith	Brent	HR	brentc	205	Building 3	14-Sep-84
	1672	Dixon-Waite	Sherrie	MF	sherried	114	Building 1	16-Apr-90
	1960	Fontaine	Jean	MF	jeanf	150	Building 1	13-Nov-86
	1975	Franklin	Larry	AC	larryf	125	Building 2	01-Mar-96
	1056	Gonzales	Joe	AT	joeg	121	Building 1	25-Oct-79
	1078	Hapsbuch	Kendrick	AC	kendrickh	101	Building 2	01-Apr-86
	1078	Hapsbuch	Kendrick	AC	kendrickh	101	Building 2	01-Apr-86
	1152	Henders	Mark	AD	markh	118	Building 2	21-Jan-90
	1075	Kane	Sheryl	AD	sherylk	126	Building 2	07-Aug-92
	1509	Kegler	Pam	AT	pamk	135	Building 1	19-Jun-85
	1529	Kellerman	Tommie	MK	tomk	129	Building 1	28-Jan-87
	1656	Kourios	Theo	MF	theok	149	Building 1	14-Dec-87
	1426	Lampstone	Pete	SA	petel	128	Building 3	08-Sep-77
	1426	Lampstone	Pete	SA	petel	128	Building 3	08-Sep-77
	1984	MacDonald	Bronwyn	SA	bronm	204	Building 3	01-Dec-97
	1676	Miller	Janet	MK	janetm	115	Building 1	26-Oct-81
	1995	Mivelli	Maria	AT	mariam	198	Building 1	01-Mar-98
	1359	Morton	Norman	SA	normanm	153	Building 3	09-Aug-90
	1931	Mueller	Ursula	AC	ursulam	110	Building 2	20-Jun-89
	1723	Sammler	Mark	MK	marks	145	Building 1	10-Feb-78
	1949	Sampson	Carla	SA	carlas	147	Building 3	12-Oct-81
	1949	Sampson	Carla	SA	carlas	147	Building 3	12-Oct-81
	1067	Scote	Gail	AT	gails	123	Building 1	20-Sep-87
	1299	Simpson	Sandrae	MF	sandraes	127	Building 1	21-Dec-89
	1302	Sindole	Randy	MK	randys	139	Building 1	06-Aug-84

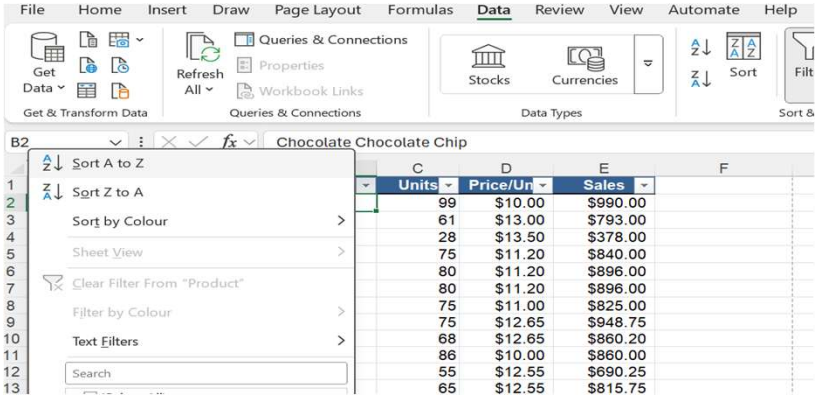
Employee Records | EXPORT EMP RECS | Customer Info | Order Info | Sort & Filter

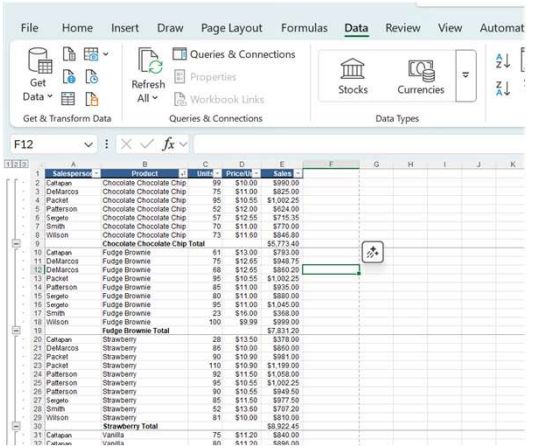


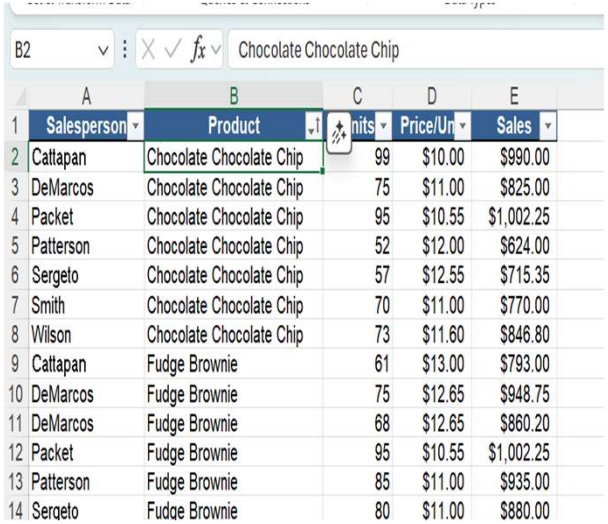
	A	B	C	D	E	F	G	H
1	Emp ID	Last Name	First Name	Dept	E-mail	Phone Ext	Location	Hire Date
2	1814	Al-Sabah	Daoud	HR	daouda	103	Building 3	04-Mar-89
3	1721	Alstain	Isolde	HR	isoldea	102	Building 3	06-Aug-90
4	1999	Atherly	Katherine	HR	kathya	428	Building 3	05-Jul-98
5	1196	Atherton	Katie	HR	katiea	289	Building 3	01-Apr-98
6	1906	Bankler	Rowena	SA	rowenab	155	Building 3	28-Sep-89
7	1792	Barton	Eileen	AT	eileenb	111	Building 1	24-Dec-90
8	1516	Bell	Tom	AC	tomb	105	Building 2	06-Mar-85
9	1284	Bellwood	Frank	MK	frankb	124	Building 1	04-Jan-85
10	1982	Berwick	Elaine	SA	eberwick	202	Building 3	03-Apr-97
11	1167	Berwick	Sam	SA	samb	119	Building 3	18-Apr-91
12	1673	Boughton	Frank	AD	fboughton	112	Building 2	25-Mar-92
13	1758	Brwyne	Melia	AC	meliab	107	Building 2	18-Mar-82
14	1990	Chang	Jessica	MF	jessc	198	Building 1	14-Feb-98
15	1290	Cooper	Linda	AD	lindac	113	Building 2	03-Jan-85
16	1290	Cooper	Linda	AD	lindac	113	Building 2	03-Jan-85
17	1966	Cortlandt	Charles	SA	charlesc	159	Building 3	13-Apr-82
18	1983	Corwick	Judy	AT	judyc	154	Building 1	28-Jun-97
19	1964	Corwick	Rob	AC	robertc	108	Building 2	17-Nov-91
20	1293	Cronwith	Brent	HR	brentc	205	Building 3	14-Sep-84
21	1672	Dixon-Waite	Sherrie	MF	sherried	114	Building 1	16-Apr-90
22	1960	Fontaine	Jean	MF	jeanf	150	Building 1	13-Nov-86
23	1975	Franklin	Larry	AC	larryf	125	Building 2	01-Mar-96
24	1056	Gonzales	Joe	AT	joeg	121	Building 1	25-Oct-79

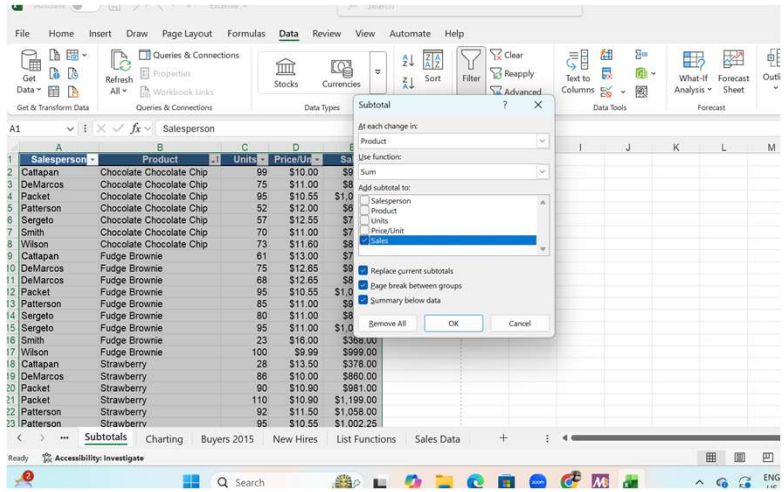
Screenshots of Data Validation, Sorting, and Calculating Sub Totals By Group



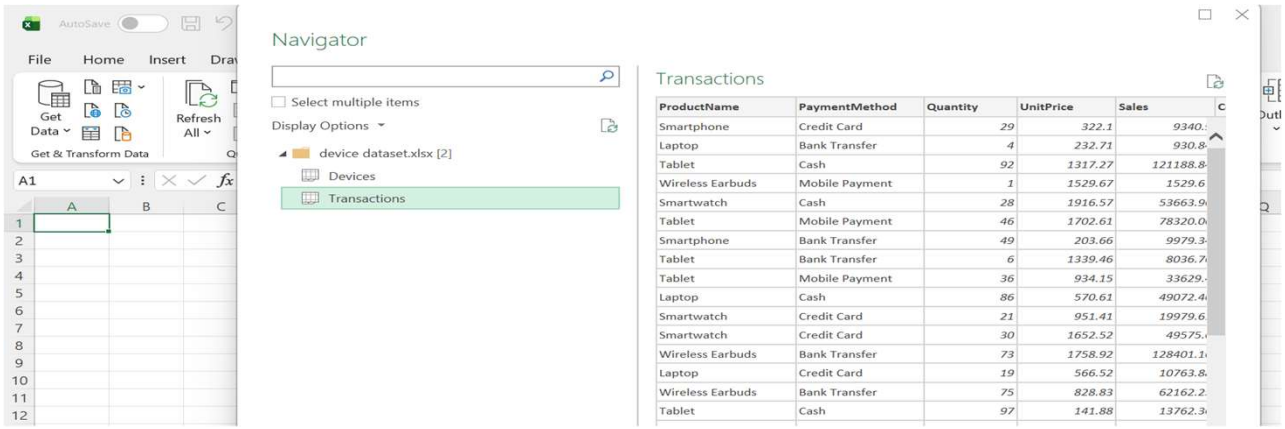


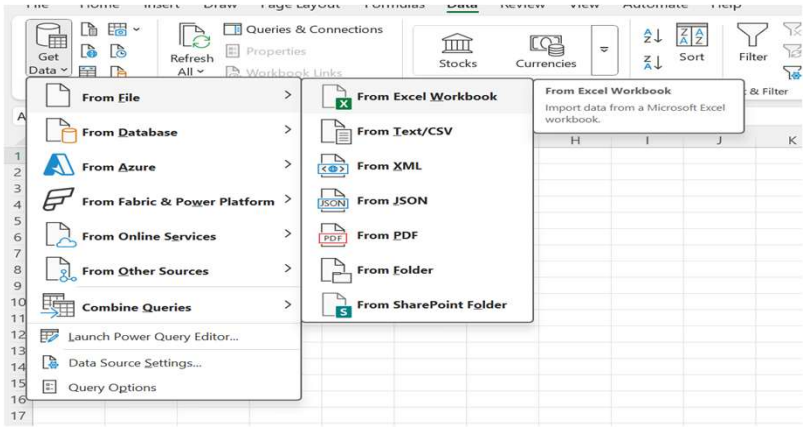


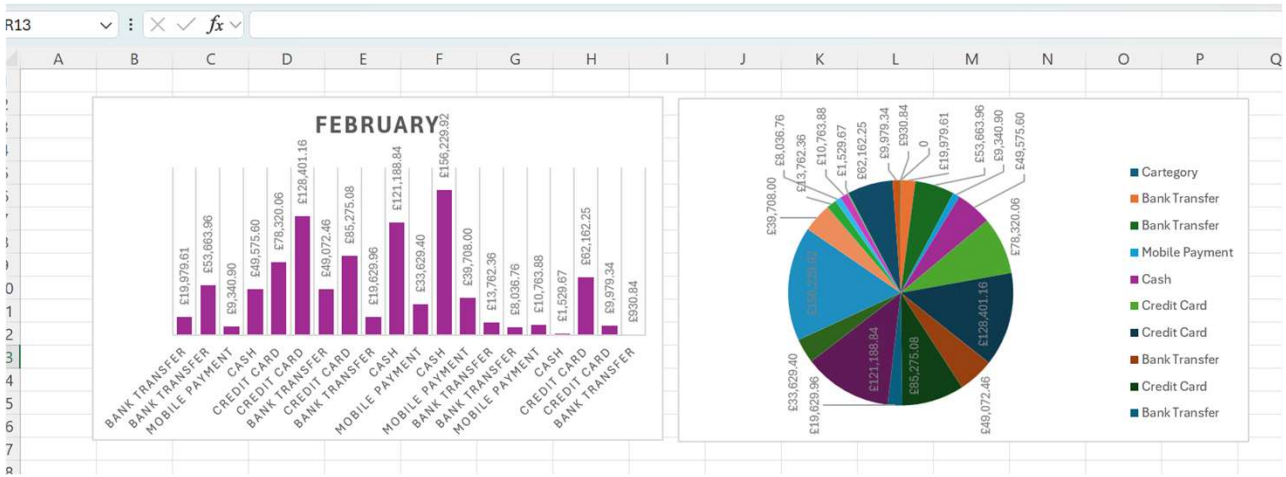


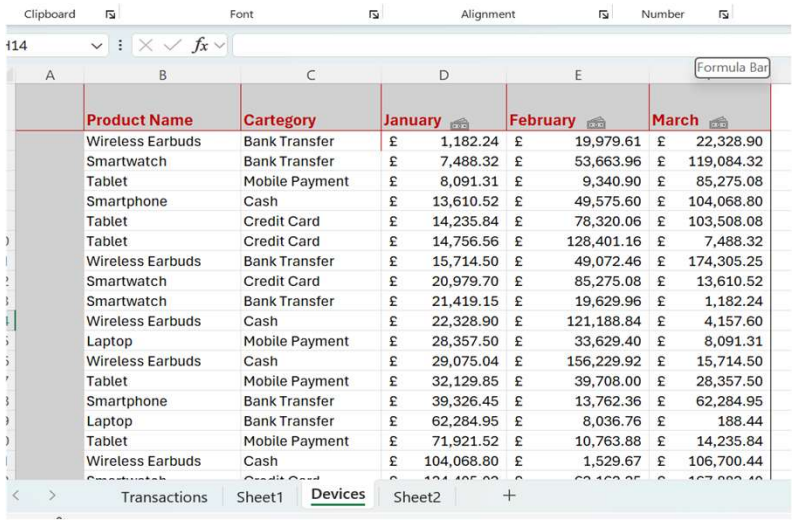


Screenshots of Importing Data To Excel And Creating Charts In Excel Sheets







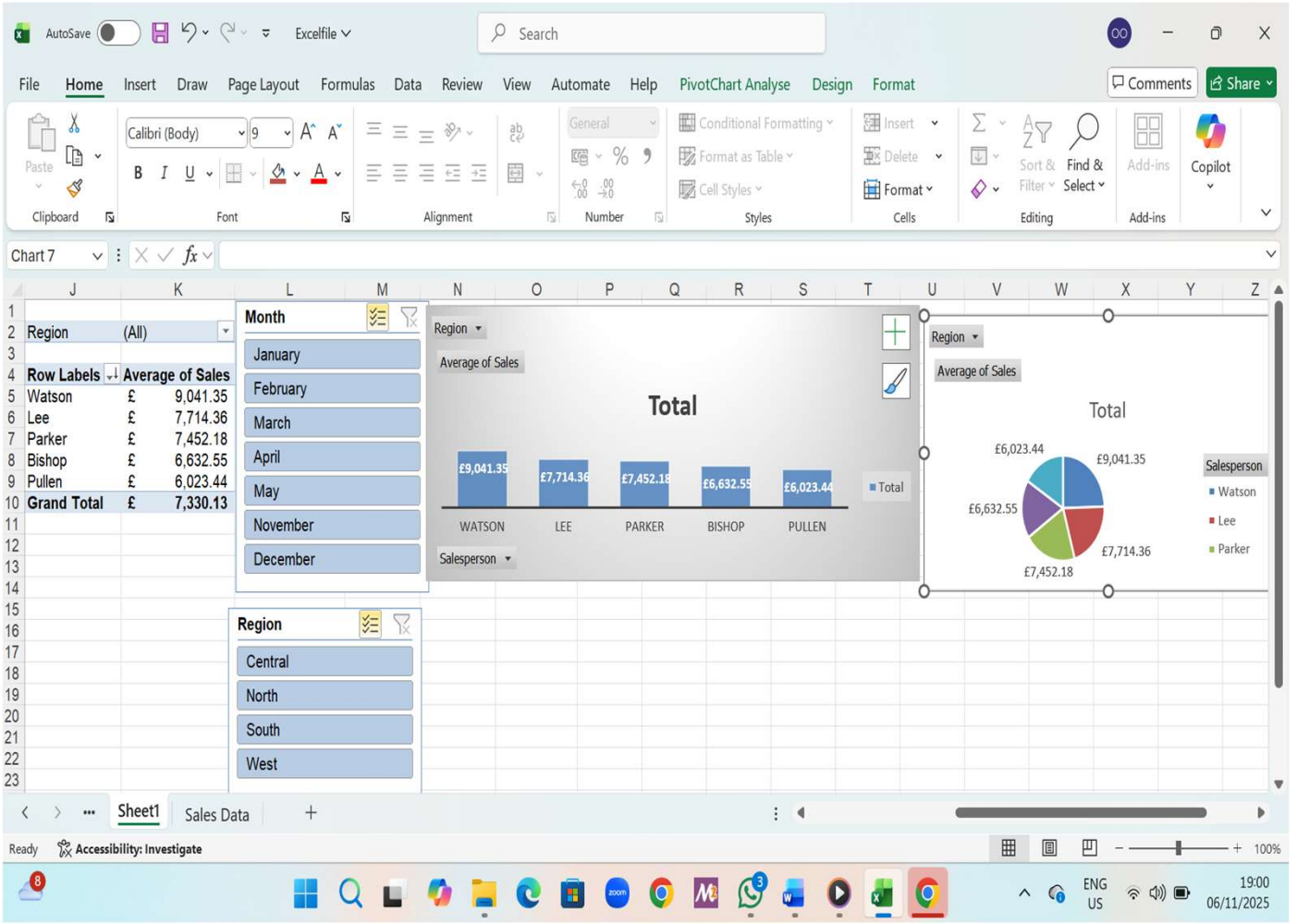


Creating And Analyzing Pivot Table

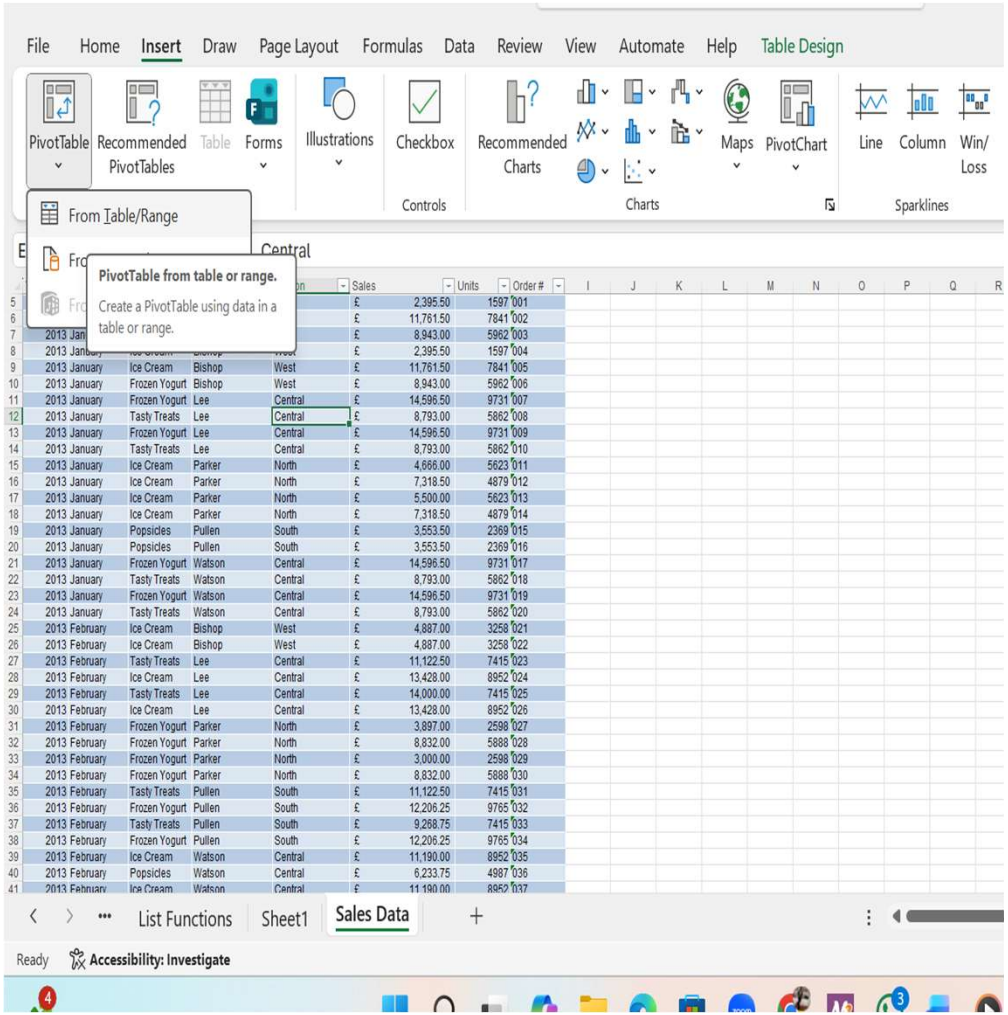
Pivot Table Best Practices

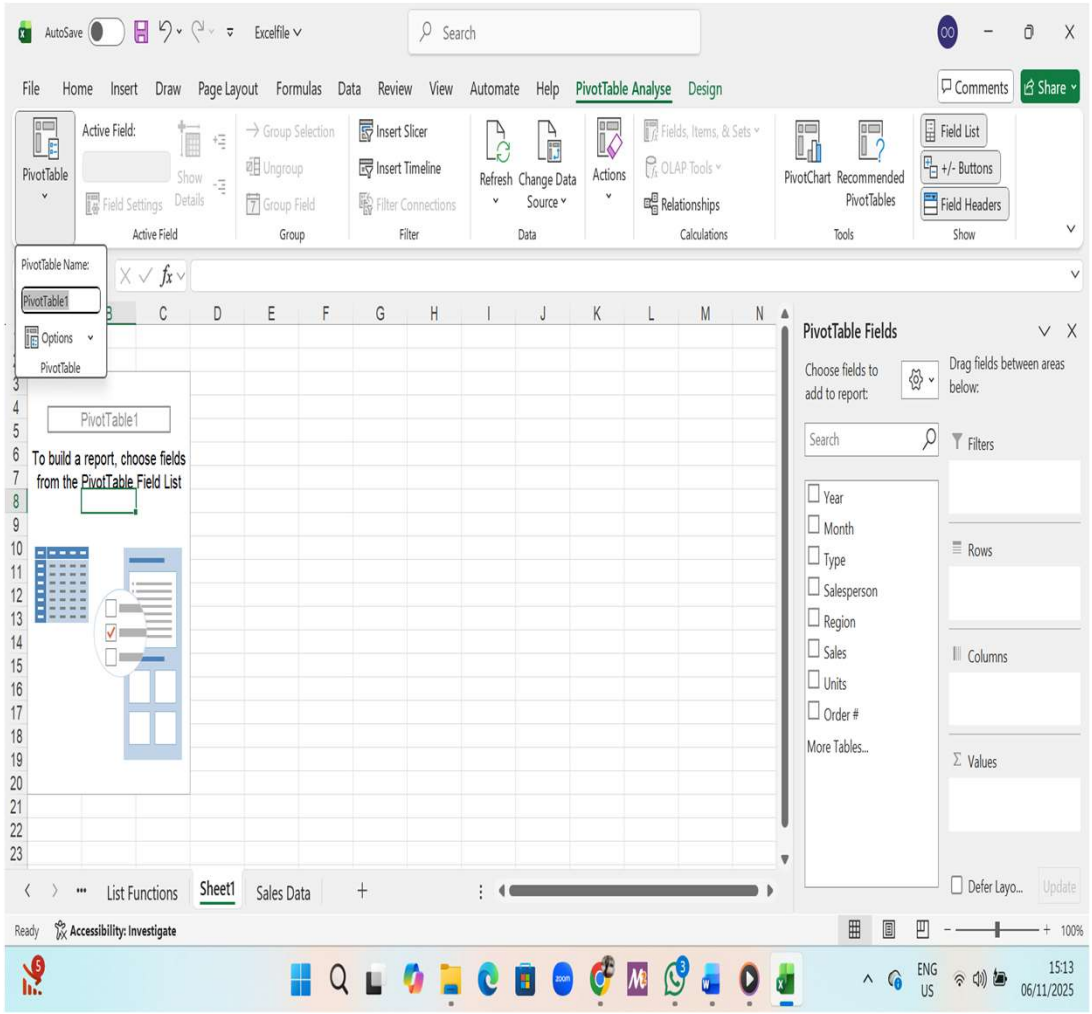
Bullet points:

- Ensure column names/headers are present
- Format columns correctly (numbers, accounting, general/text)
- Remove empty rows and aggregation
- Check for duplicates
- Creating Pivot Tables

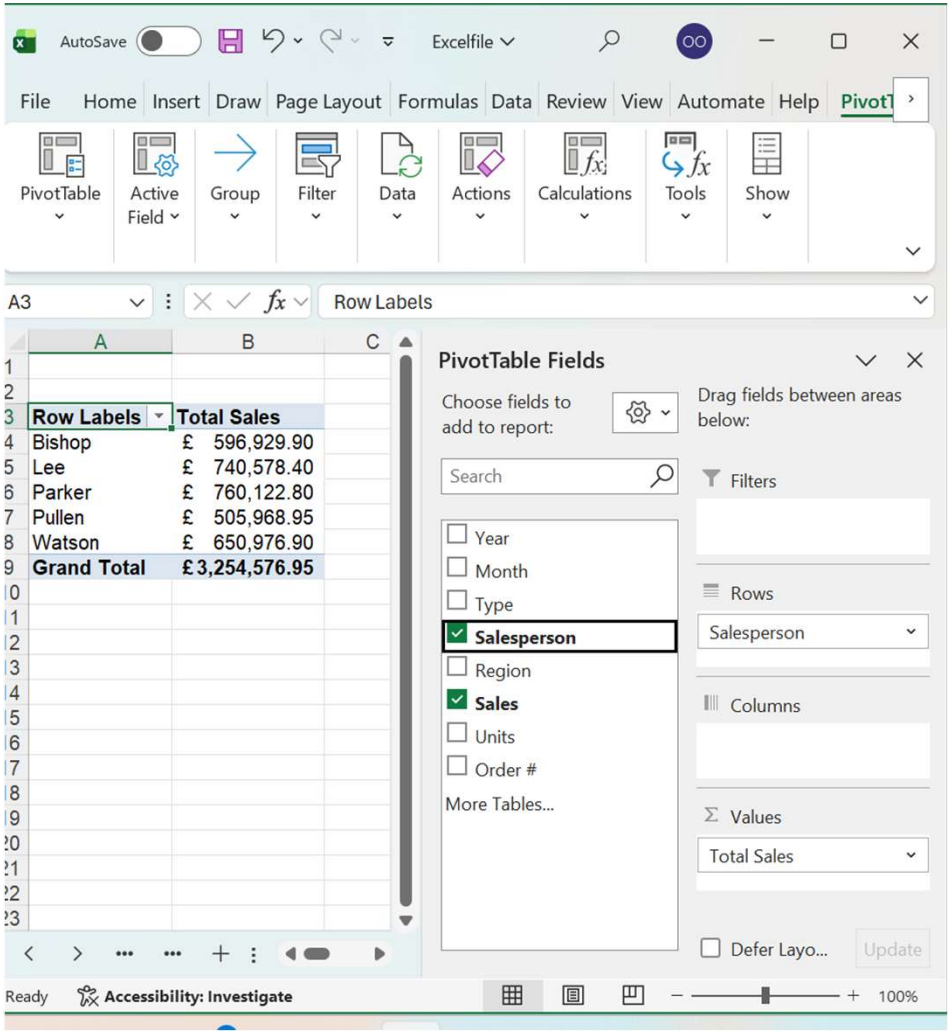


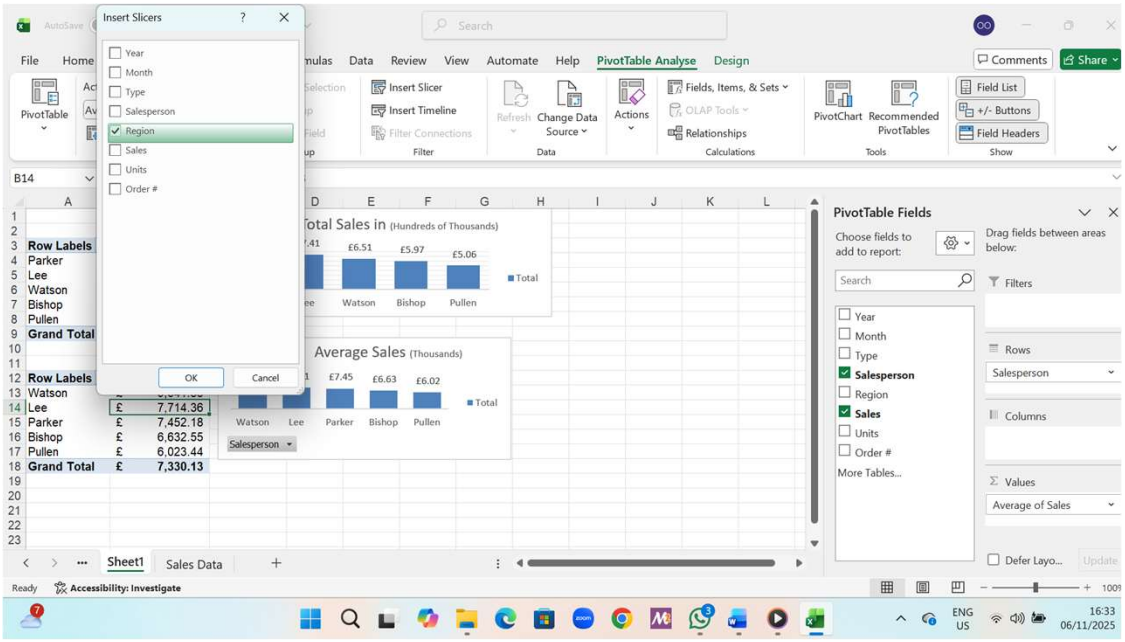
Screenshots of Creating Pivot Table From Tables

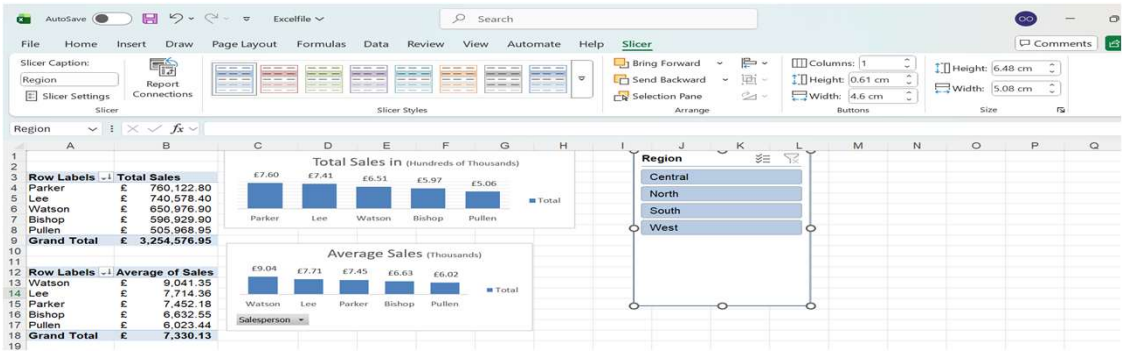




Screenshots of Pivot Table Analysis





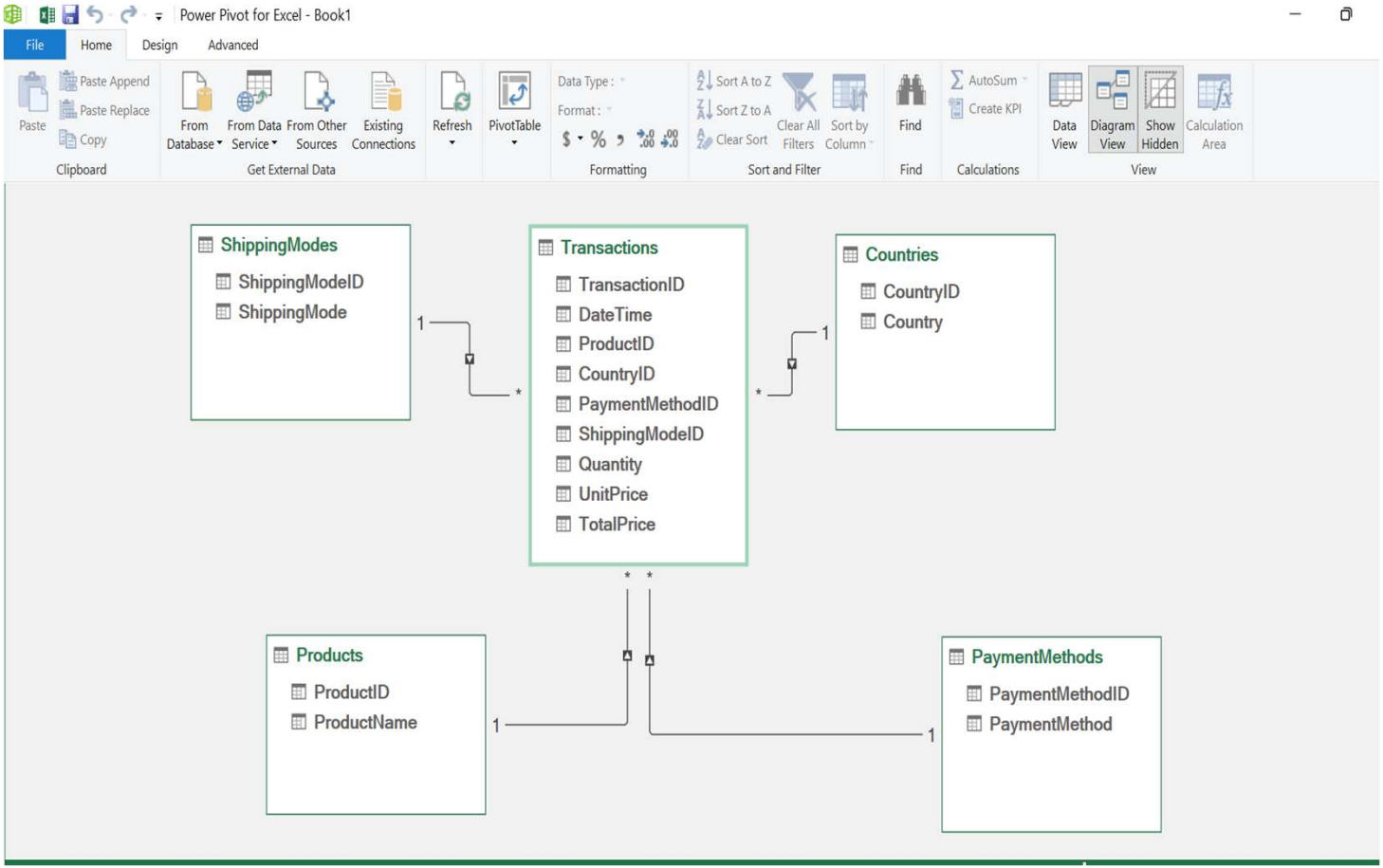


Power Pivot and ERD

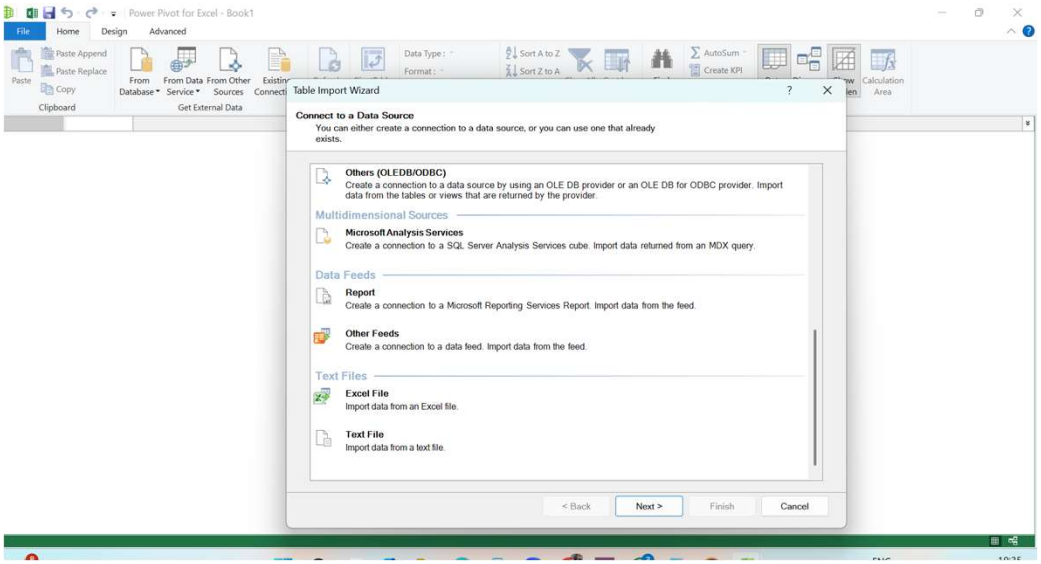
Power Pivot and ERD Design

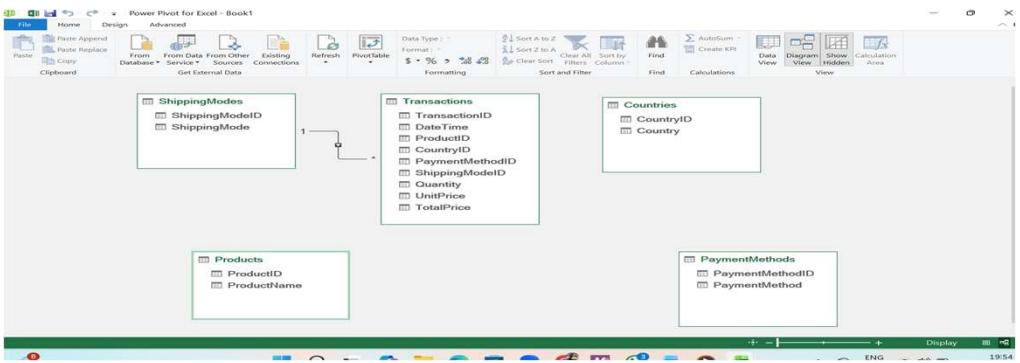
Bullet points:

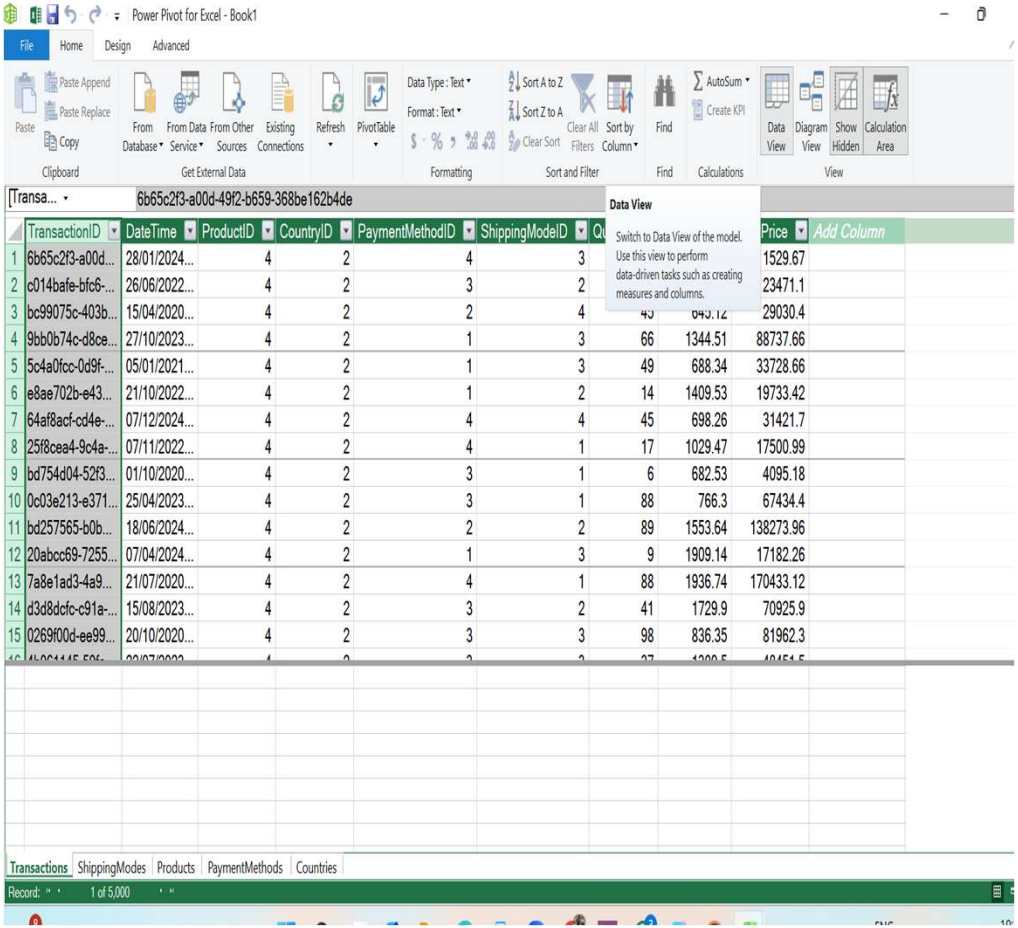
- Enabling Excel Power Pivot
- Importing data from datasets
- Designing ERD on Power Pivot



Importing Data to Excel Power Pivot And Creating Relationships







Conclusion

Summary of what I learnt over the past four weeks:

- Database Design: Palm oil database design
- Azure DevOps: Project management, collaboration
- Excel: Dynamic ranges, pivot tables, charts

Thank You For Listening