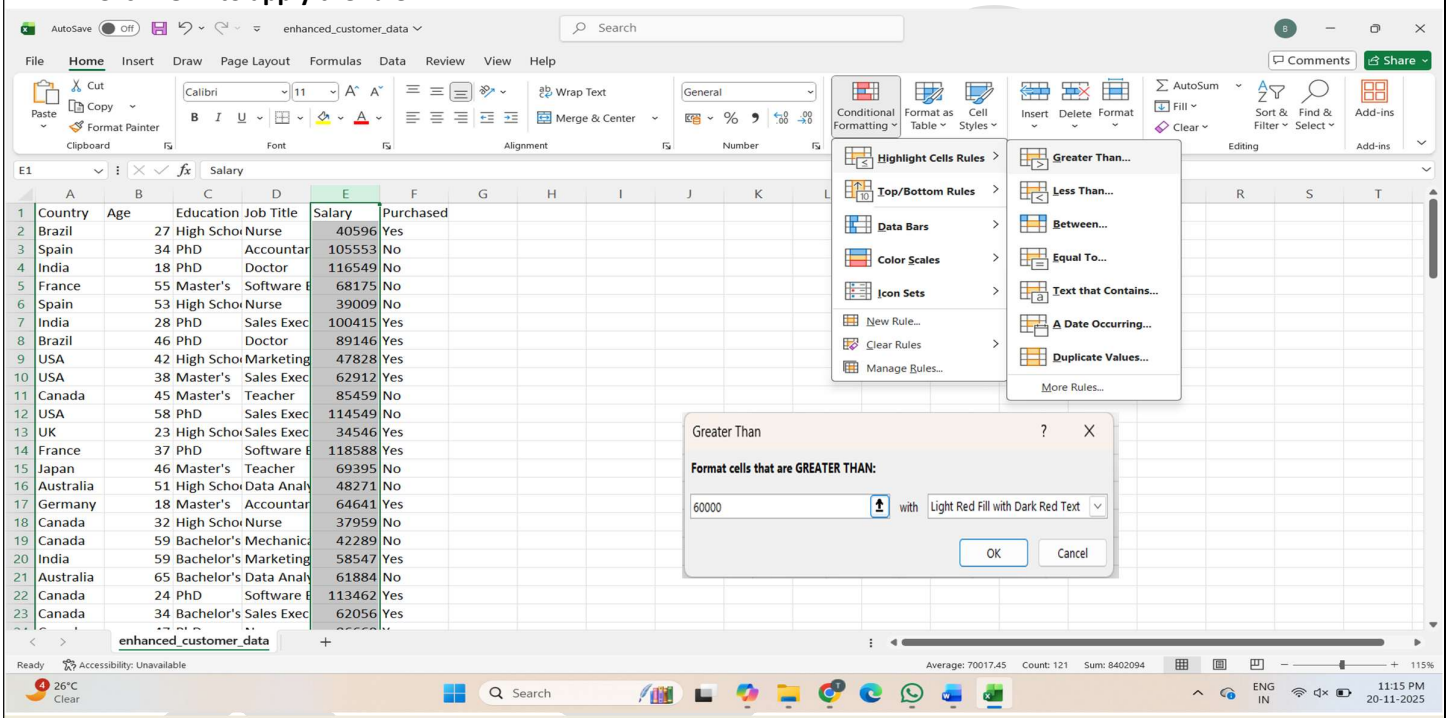
NITIN KUMAR BERA T072 NITIN KUMAR BERA T072

AIM : Introduction to Excel

- **Perform conditional formatting on a dataset using various criteria.**
- **Create a pivot table to analyze and summarize data.**
- **Use VLOOKUP function to retrieve information from a different worksheet or table.**
- **Perform what-if analysis using Goal Seek to determine input values for desired output.**

1: Perform conditional formatting on a dataset using various criteria.

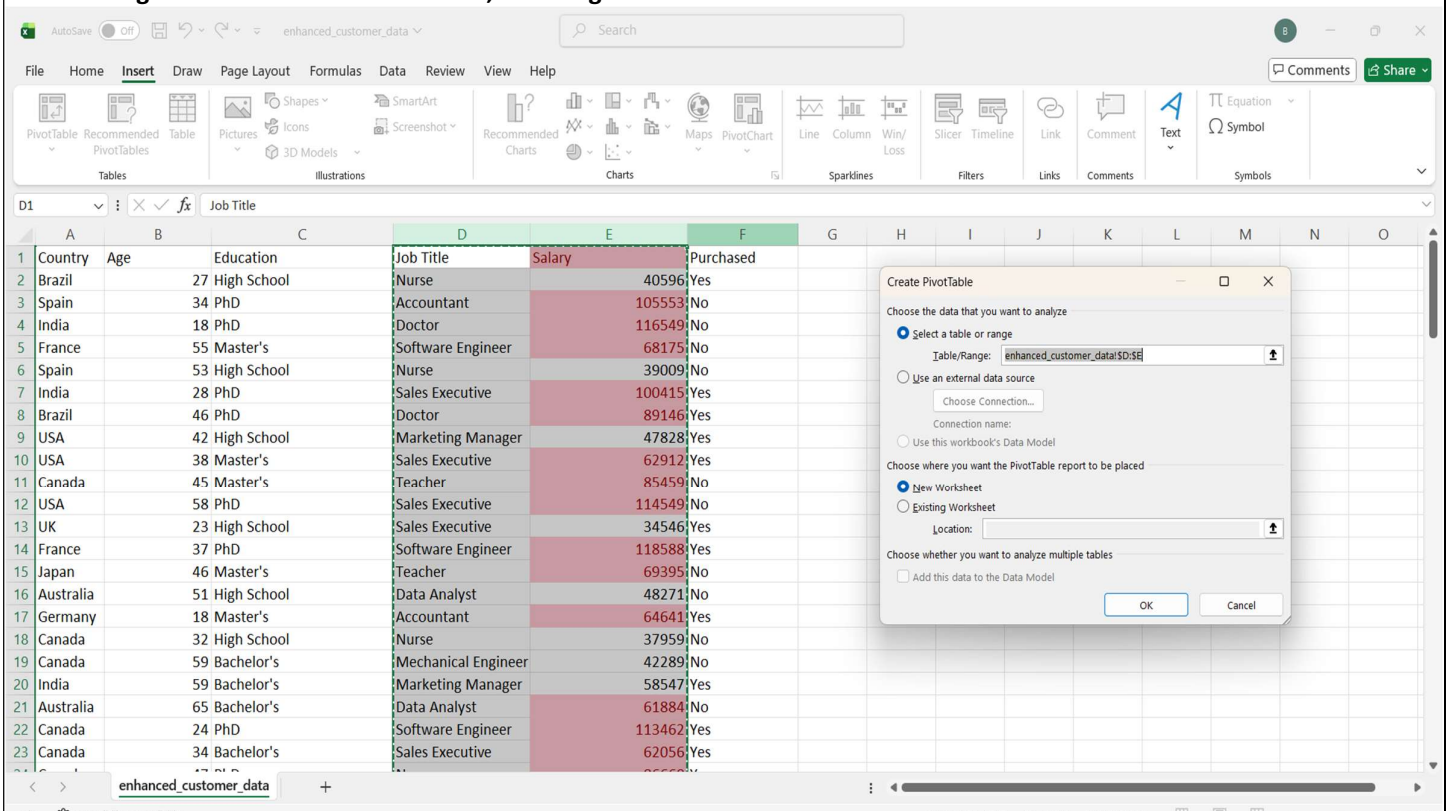
Steps: 1. Select the "Salary" column (Column E).
2. Go to the Home tab on the ribbon.
3. Click on "Conditional Formatting" in the toolbar.
4. Choose "Highlight Cells Rules" and then "Greater Than."
5. Enter the threshold value as 60000.
6. Customize the formatting options (e.g., choose a fill color).
7. Click "OK" to apply the rule.



Country	Age	Education	Job Title	Salary	Purchased
Brazil	27	High School	Nurse	40596	Yes
Spain	34	PhD	Accountant	105553	No
India	18	PhD	Doctor	116549	No
France	55	Master's	Software Engineer	68175	No
Spain	53	High School	Nurse	39009	No
India	28	PhD	Sales Executive	100415	Yes
Brazil	46	PhD	Doctor	89146	Yes
USA	42	High School	Marketing Manager	47828	Yes
USA	38	Master's	Sales Executive	62912	Yes
Canada	45	Master's	Teacher	85459	No
USA	58	PhD	Sales Executive	114549	No
UK	23	High School	Sales Executive	34546	Yes
France	37	PhD	Software Engineer	118588	Yes
Japan	46	Master's	Teacher	69395	No
Australia	51	High School	Data Analyst	48271	No
Germany	18	Master's	Accountant	64641	Yes
Canada	32	High School	Nurse	37959	No
Canada	59	Bachelor's	Mechanical Engineer	42289	No
India	59	Bachelor's	Marketing Manager	58547	Yes
Australia	65	Bachelor's	Data Analyst	61884	No
Canada	24	PhD	Software Engineer	113462	Yes
Canada	34	Bachelor's	Sales Executive	62056	Yes

2 : Create a pivot table to analyze and summarize data.

Steps: 1. Select the entire dataset including headers.
2. Go to the "Insert" tab on the ribbon.
3. Click on "PivotTable".
4. Choose where you want to place the PivotTable (e.g., new worksheet).
5. Drag "Salary" to the Rows area.
6. Drag "Job Title" to the Values area, choosing the sum function.



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Brazil	46	PhD	Doctor	89146	Yes
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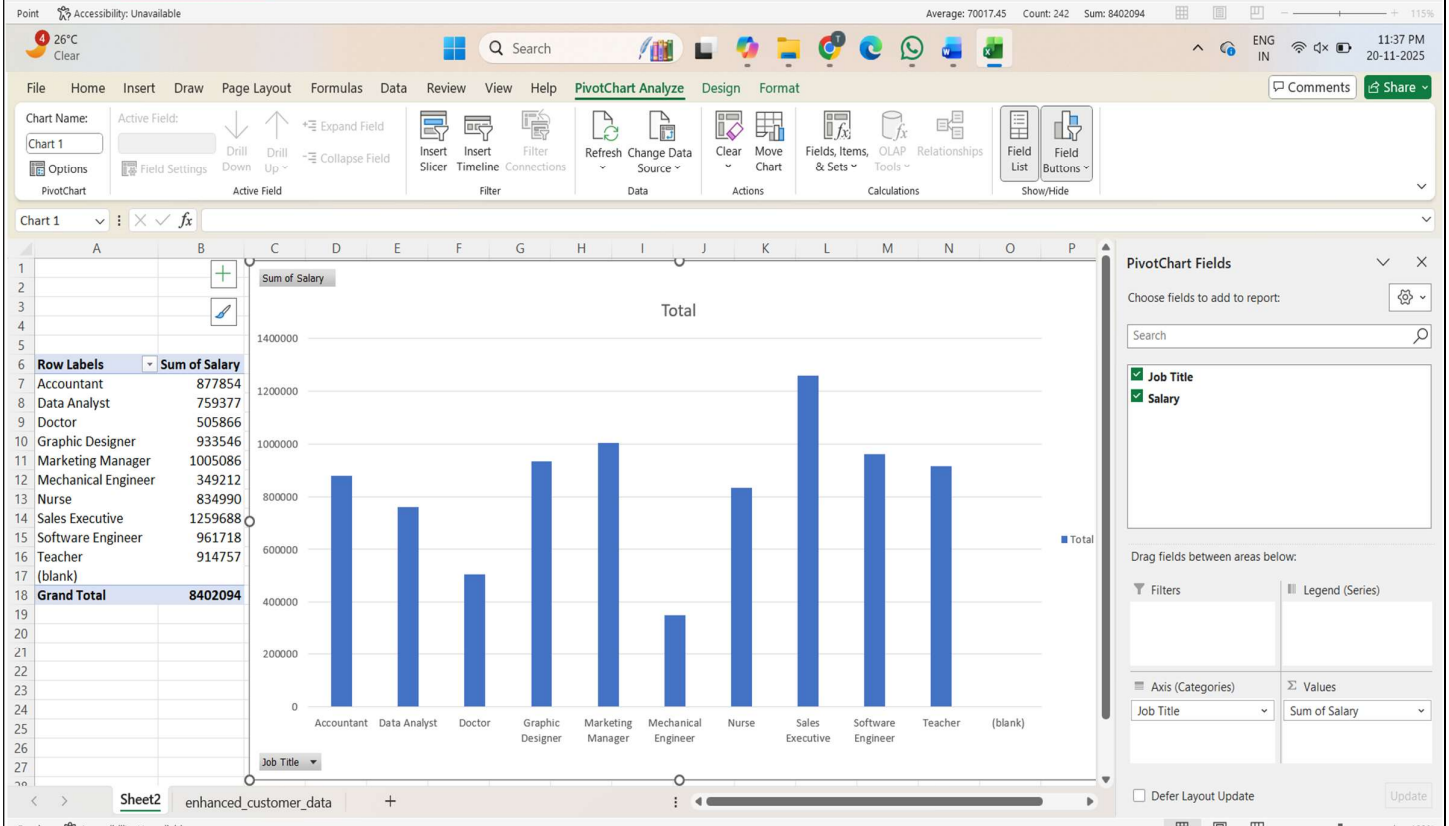


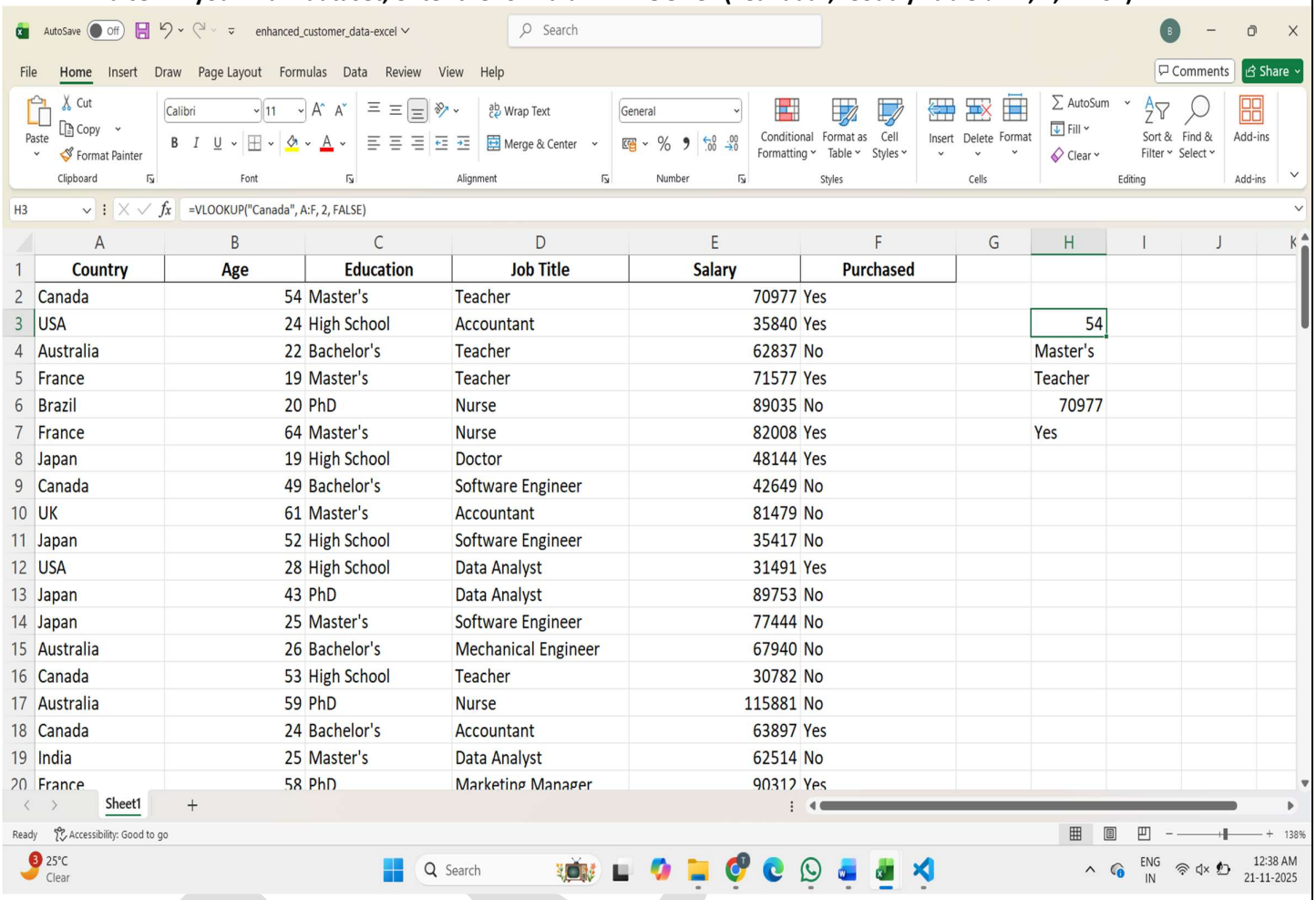
Row Labels	Sum of Salary
Accountant	877854
Data Analyst	759377
Doctor	505866
Graphic Designer	933546
Marketing Manager	1005086
Mechanical Engineer	349212
Nurse	834990
Sales Executive	1259688
Software Engineer	961718
Teacher	914757
(blank)	
Grand Total	8402094

3. Use VLOOKUP function to retrieve information from a different worksheet or table.

Steps:

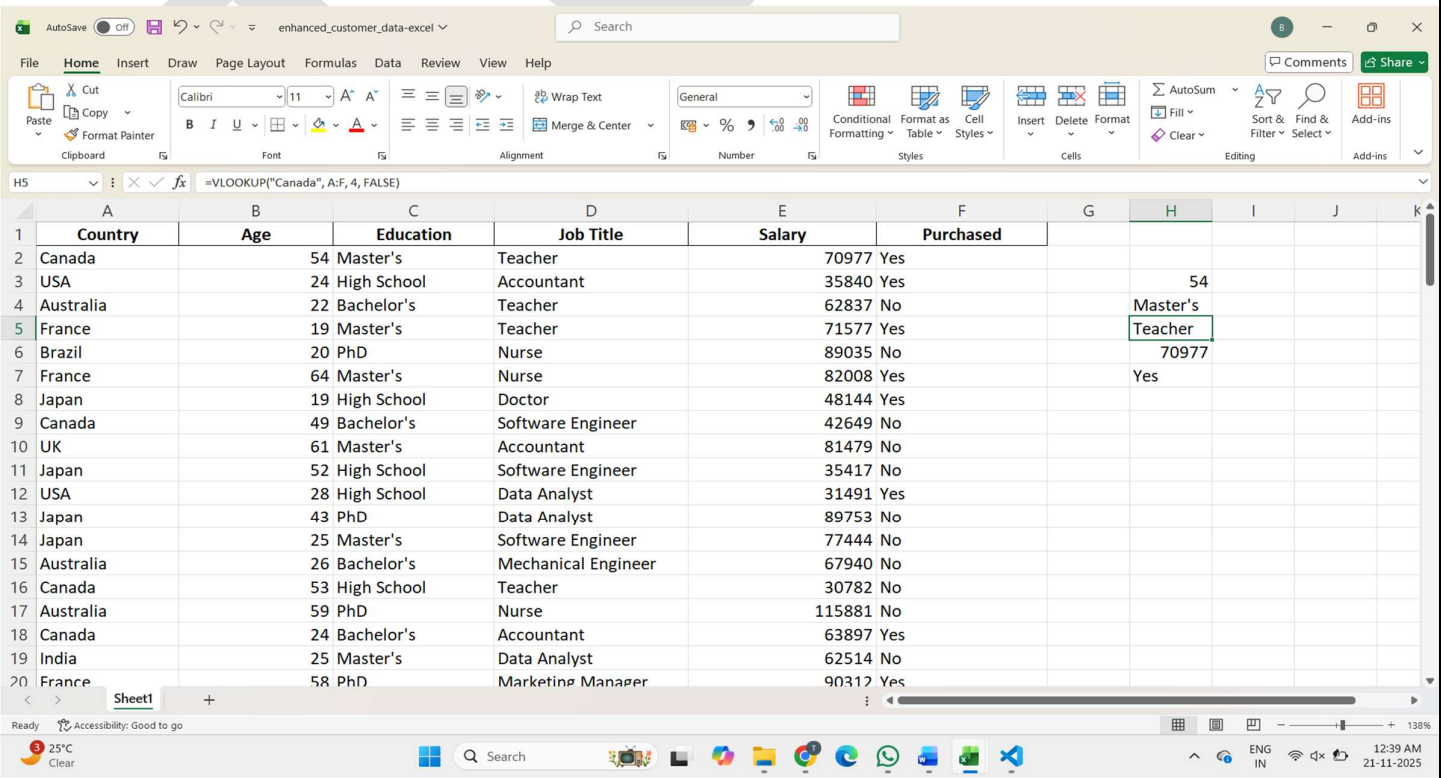
1. Assuming your "Product Table" is in a different worksheet.

2. In a cell in your main dataset, enter the formula: =VLOOKUP("Canada", 'Coutry Table'!A:B, 2, FALSE)



	A	B	C	D	E	F	G	H	I	J
1	Country	Age	Education	Job Title	Salary	Purchased				
2	Canada	54	Master's	Teacher	70977	Yes				
3	USA	24	High School	Accountant	35840	Yes		54		
4	Australia	22	Bachelor's	Teacher	62837	No		Master's		
5	France	19	Master's	Teacher	71577	Yes		Teacher		
6	Brazil	20	PhD	Nurse	89035	No		70977		
7	France	64	Master's	Nurse	82008	Yes		Yes		
8	Japan	19	High School	Doctor	48144	Yes				
9	Canada	49	Bachelor's	Software Engineer	42649	No				
10	UK	61	Master's	Accountant	81479	No				
11	Japan	52	High School	Software Engineer	35417	No				
12	USA	28	High School	Data Analyst	31491	Yes				
13	Japan	43	PhD	Data Analyst	89753	No				
14	Japan	25	Master's	Software Engineer	77444	No				
15	Australia	26	Bachelor's	Mechanical Engineer	67940	No				
16	Canada	53	High School	Teacher	30782	No				
17	Australia	59	PhD	Nurse	115881	No				
18	Canada	24	Bachelor's	Accountant	63897	Yes				
19	India	25	Master's	Data Analyst	62514	No				
20	France	58	PhD	Marketing Manager	90312	Yes				

=VLOOKUP("Canada", A:F, 4, FALSE)



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6	Brazil	20	PhD	Nurse	89035	No		70977		
7	France	64	Master's	Nurse	82008	Yes		Yes		
8	Japan	19	High School	Doctor	48144	Yes				
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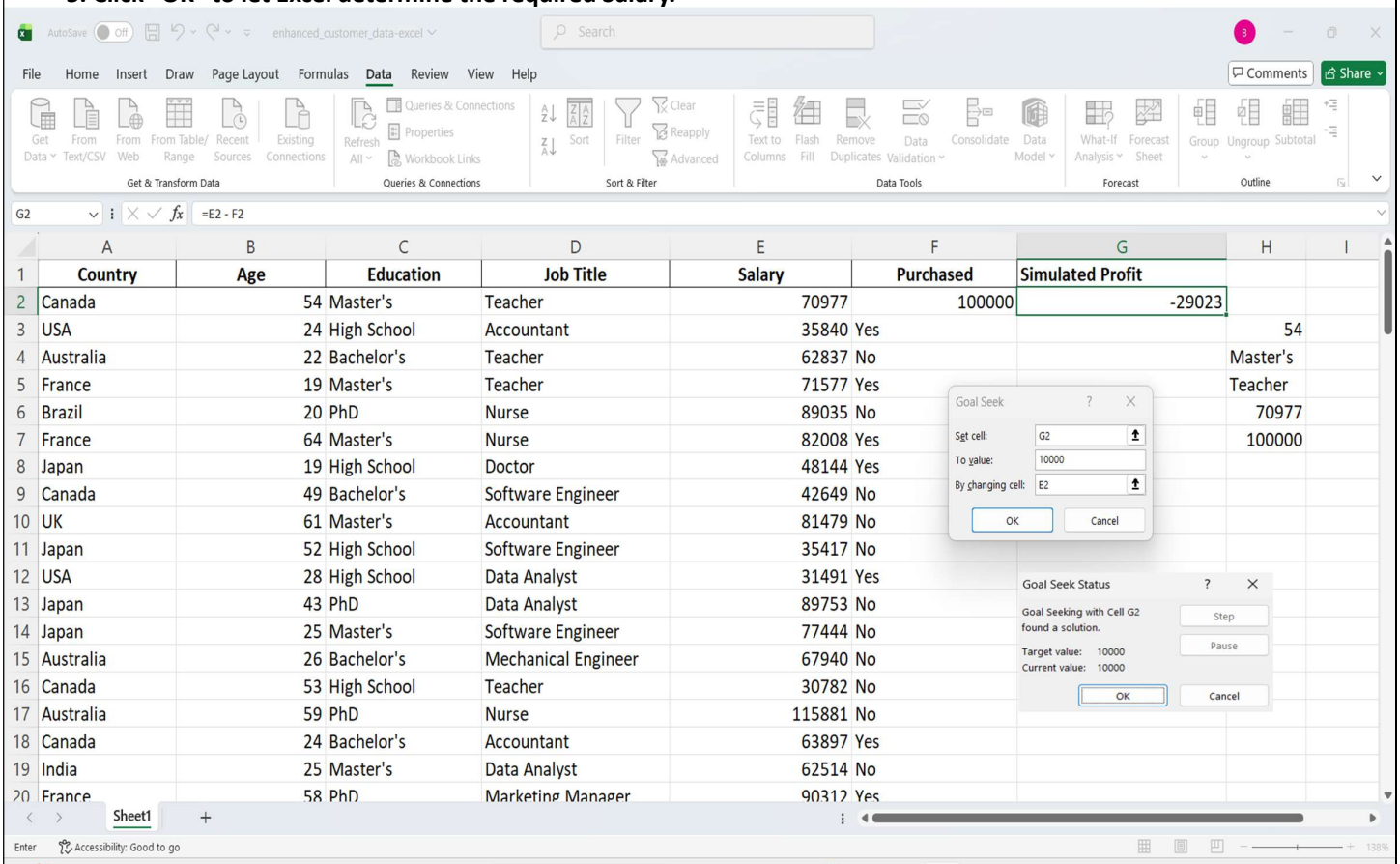
4: Perform what-if analysis using Goal Seek to determine input values for desired output.

Steps:

1. Identify the cell containing the formula for "Simulated Profit". This cell is G2
2. Go to the "Data" tab on the ribbon.
3. Click on “What-If Analysis” and select “Goal Seek”
4. In the dialog box: Set "Set cell" to G2 (your formula cell), "To value" to 1000, and "By changing cell" to E2 (your Salary input cell).
5. Click "OK" to let Excel determine the required Salary.



	A	B	C	D	E	F	G	H	I
1	Country	Age	Education	Job Title	Salary	Purchased	Simulated Profit		
2	Canada	54	Master's	Teacher	70977	100000	-29023		
3	USA	24	High School	Accountant	35840	Yes		54	
4	Australia	22	Bachelor's	Teacher	62837	No		Master's	
5	France	19	Master's	Teacher	71577	Yes		Teacher	
6	Brazil	20	PhD	Nurse	89035	No		70977	
7	France	64	Master's	Nurse	82008	Yes		100000	
8	Japan	19	High School	Doctor	48144	Yes			
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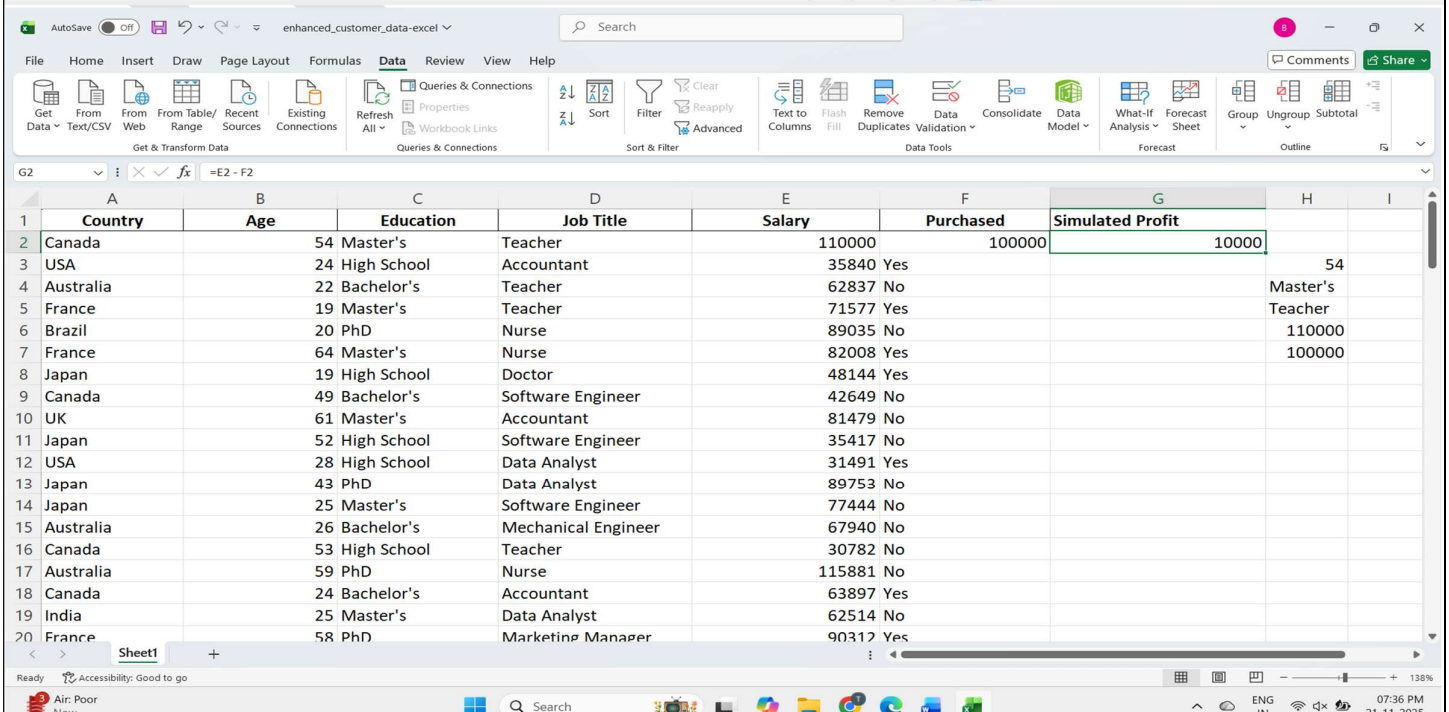

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2	Canada	54	Master's	Teacher	110000	100000	10000		
3	USA	24	High School	Accountant	35840	Yes		54	
4	Australia	22	Bachelor's	Teacher	62837	No		Master's	
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