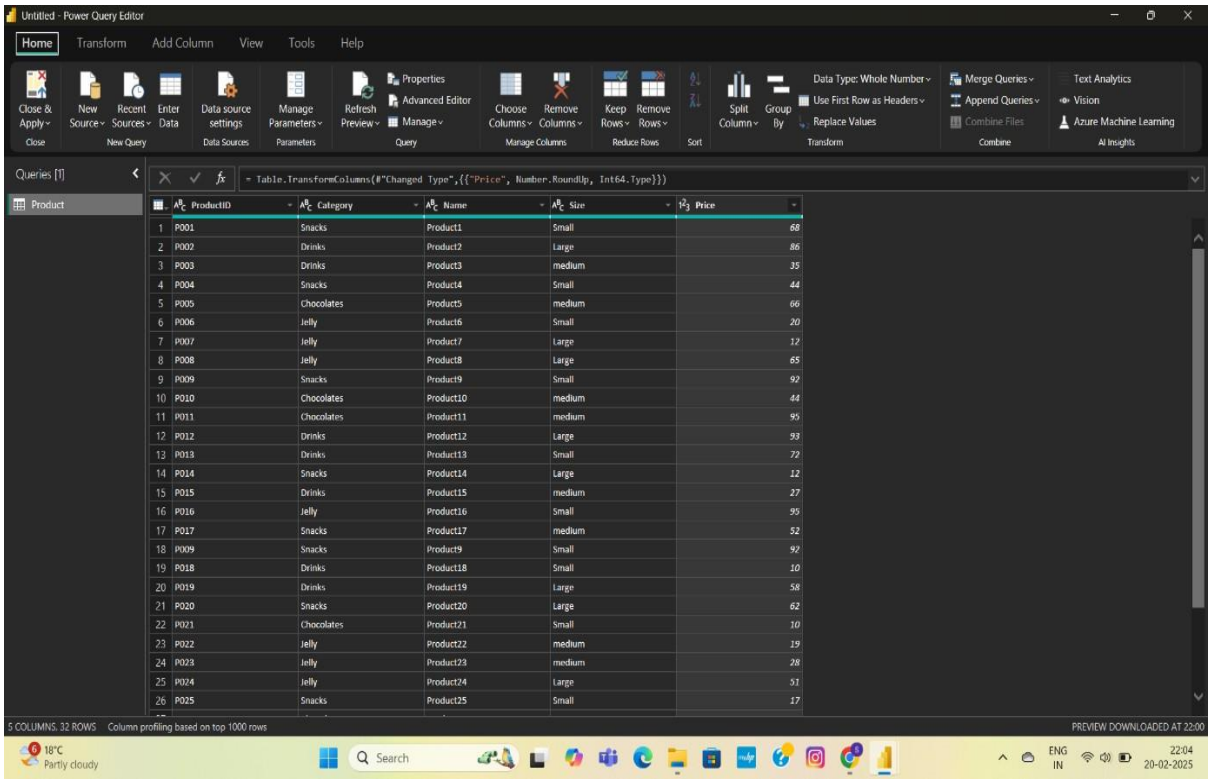
Project

Task 1

i.



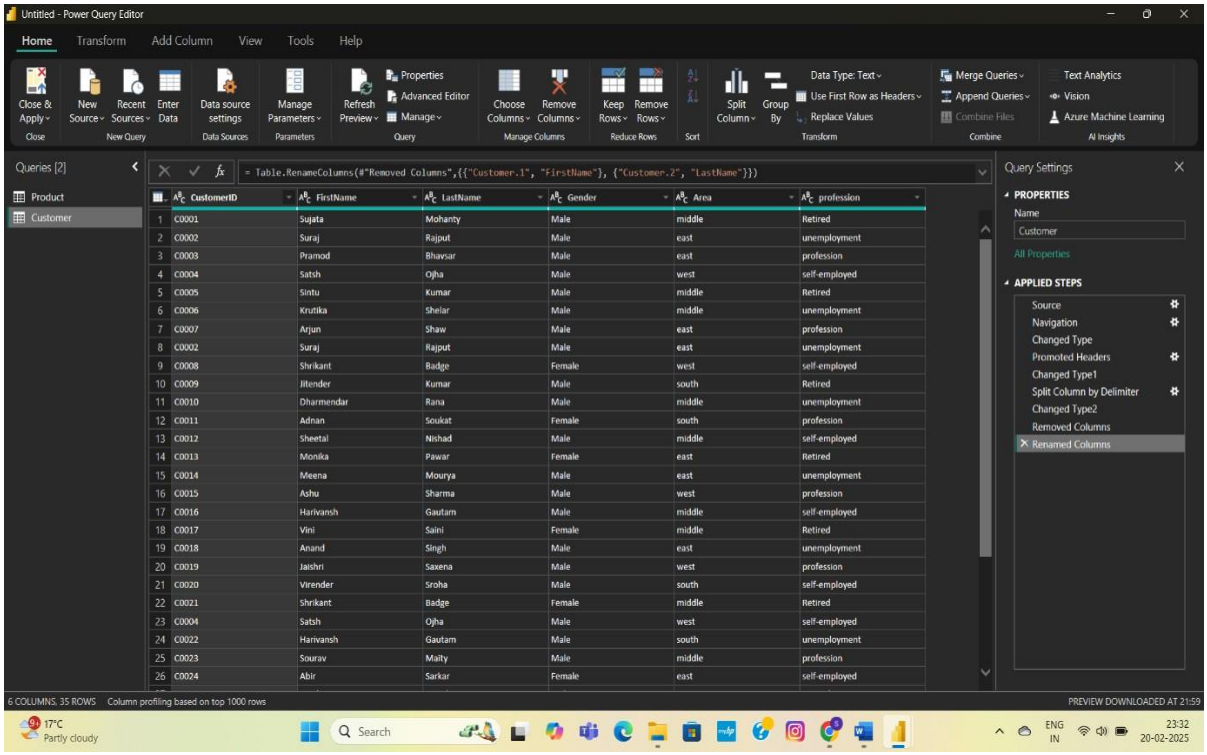
explain:

Open Power BI Desktop ⟹ Home Tab ⟹ Transform Data ⟹ Transform Data (Now open Power Query Editor)

Power Query Editor > Home Tab > New Source > Choose File Format > File Location (product file) > Upload file > Close & Load data

Power Query Editor > Transform Tab > Select price column > Number column section (Rounding > Round) > back to Home Tab > Close & Apply

ii.

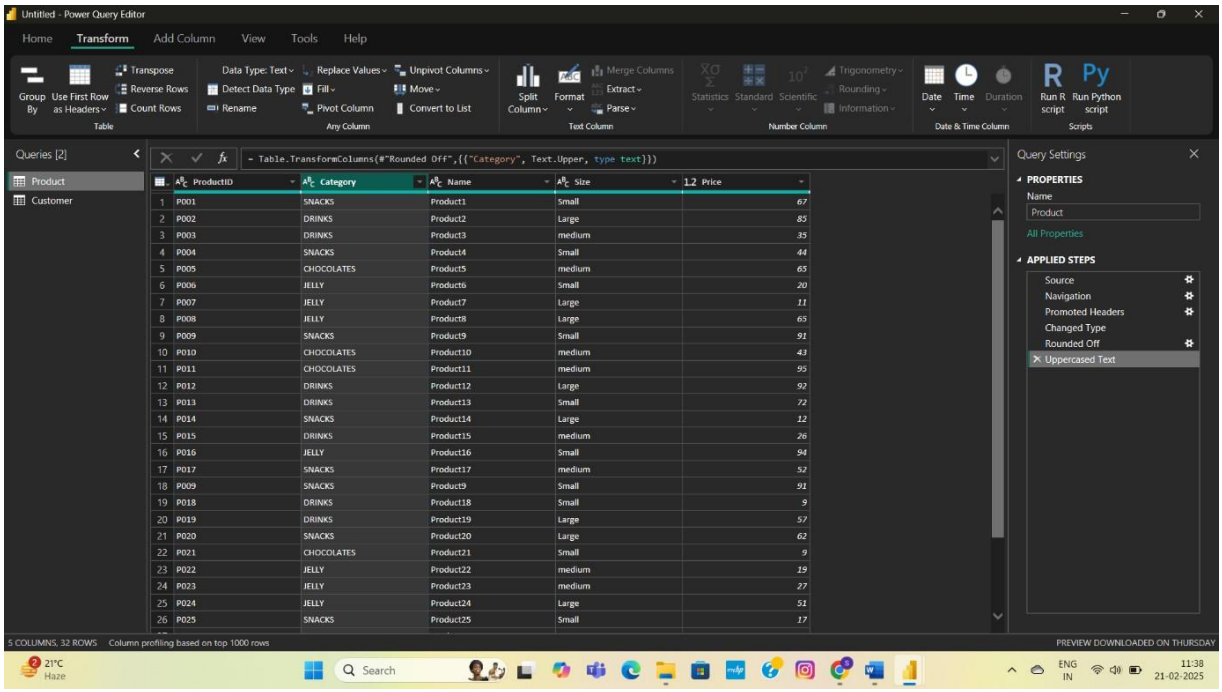


Power Query Editor > Home Tab > New Source > Choose File Format > File Location (customer file) > Upload file > Close & Load data

Power Query Editor > Home tab > Transform section (use first row as headers) > select customer column > transform section (split column > by delimiter > enter delimiter ‘space’ > select each occurrence of the delimiter > click ok) rename cutomer1 column is FirstName & customer2 column is LastName & customer3 column is deleted because null value > back to Home Tab > Close & Apply

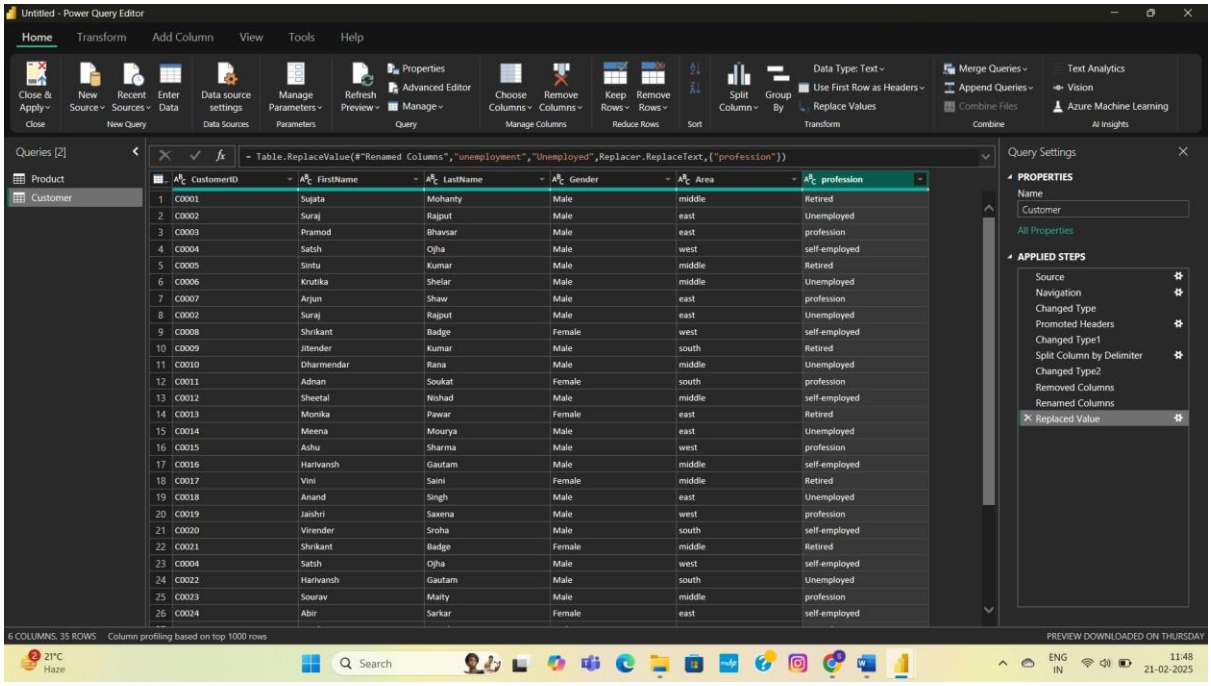
Task 2

i.



in power query editor go to product table file, because already uploaded > select category column > transform tab (text section > format > choose UPPERCASE) > back to home tab > close & apply

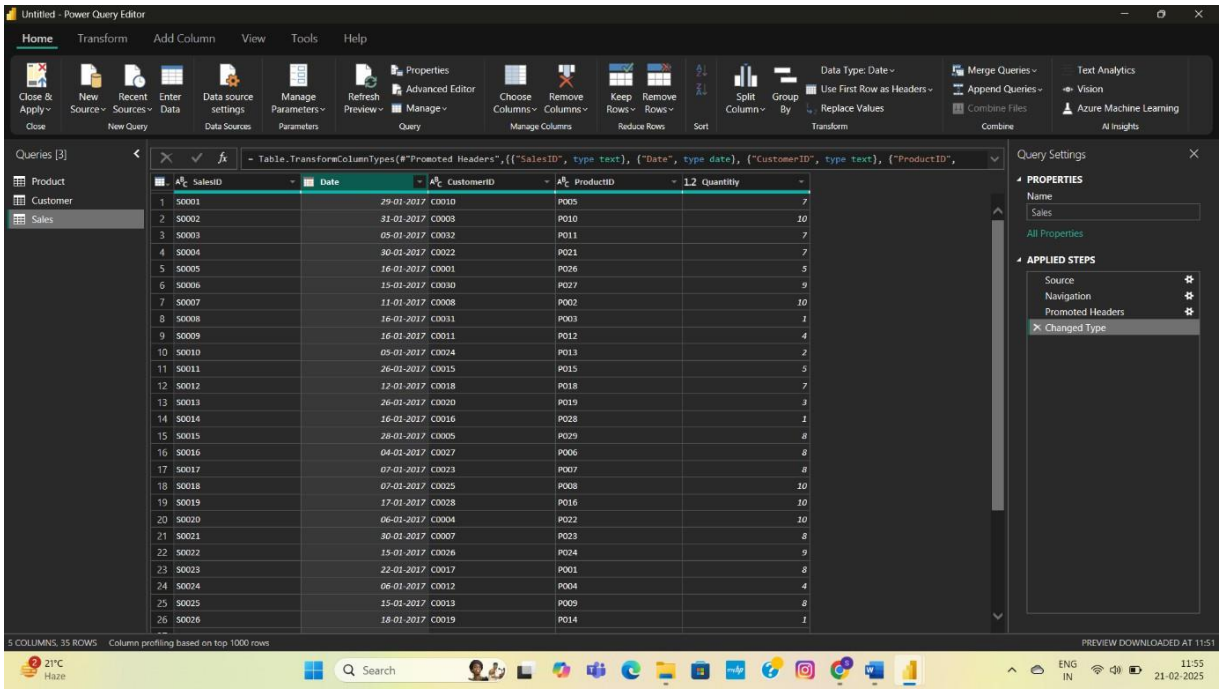
ii.



in power query editor go to customer table file, because already uploaded > select profession column > home tab (transform section > replace value > value to find “unemployment” replace with “Unemployed” > ok) > home tab > close & apply.

Task 3

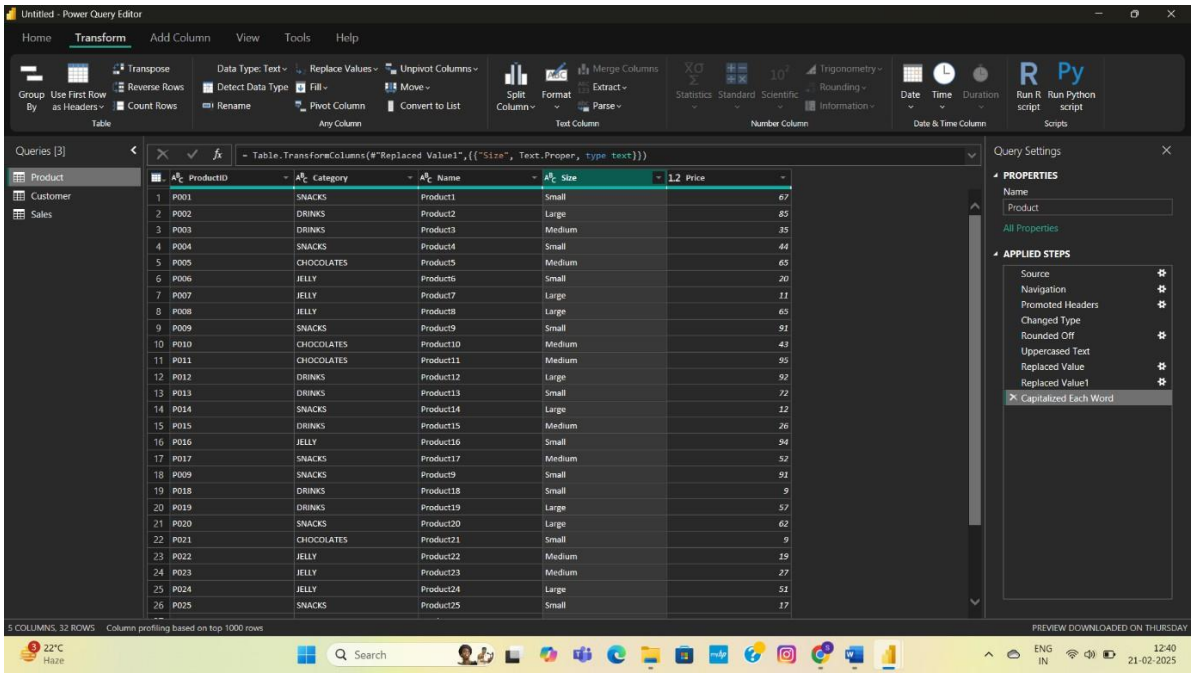
i.



Power Query Editor > Home Tab > New Source > Choose File Format > File Location (sales file) > Upload file > Close & Load data

in power query editor go to sales table file > in date column top of the left side of the column icon and choose data format as a date > close & apply. *in product table price column is already as a decimal number. So, no need to change.

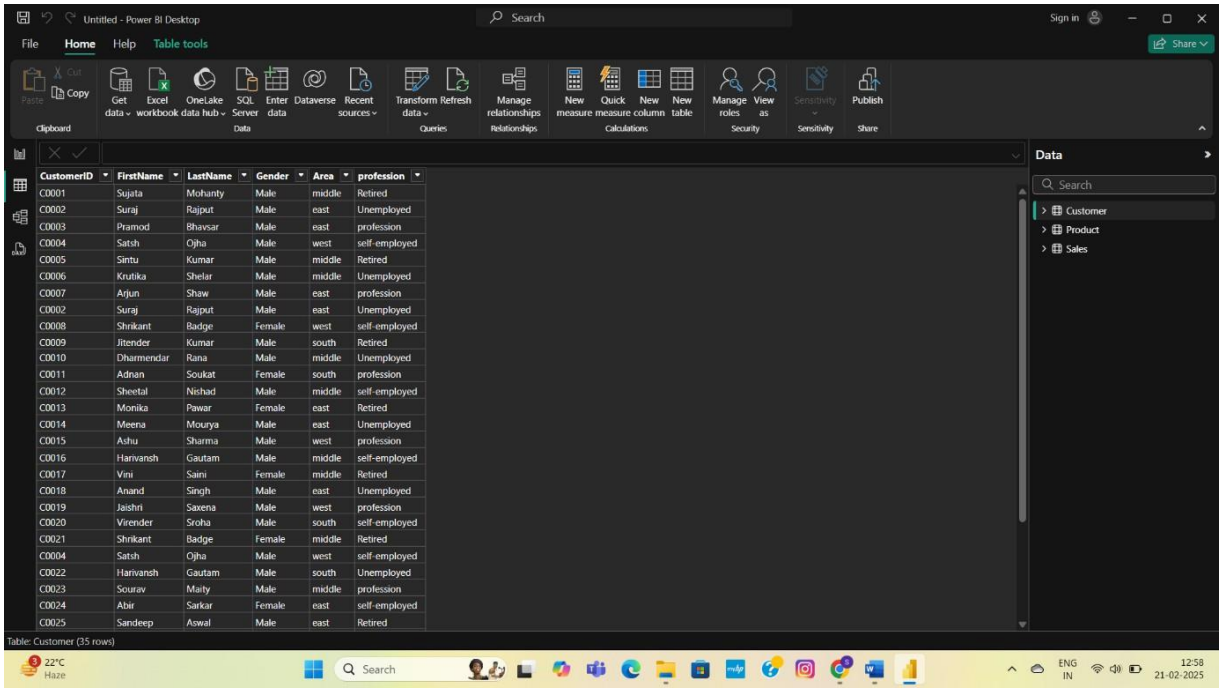
ii.

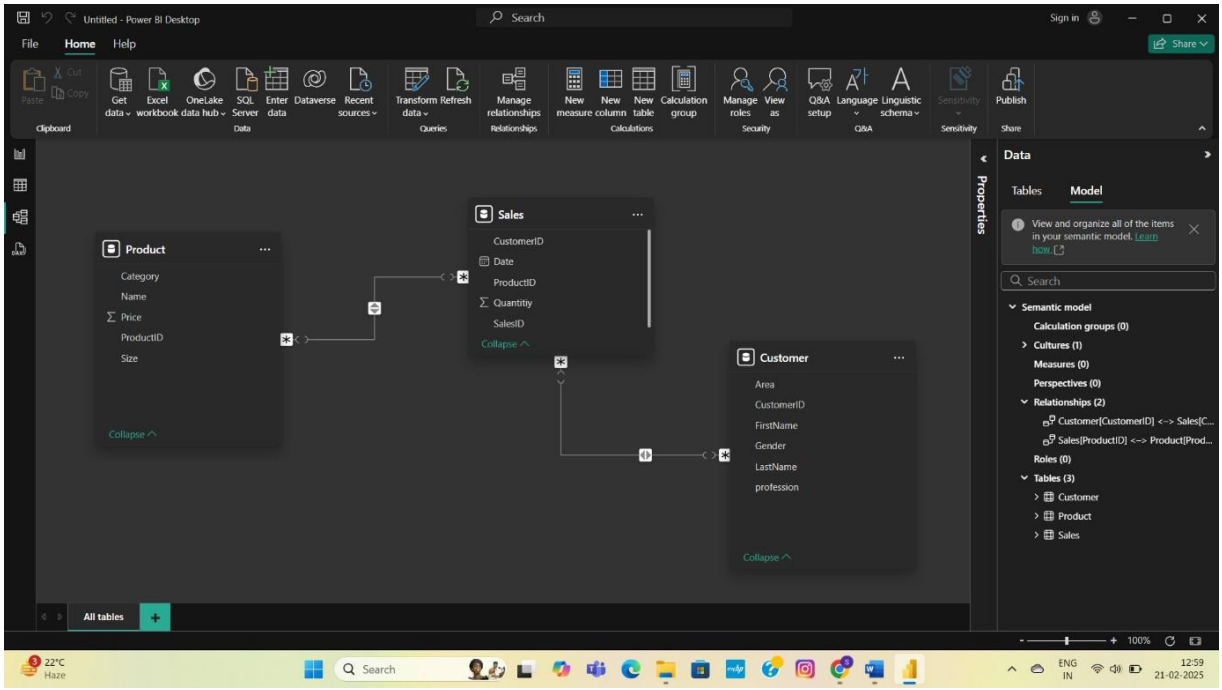


in power query editor go to product table file, because already uploaded > select size column > home tab (transform section > replace value > replace e.g., “medium” with “Medium” > ok)/ transform tab (text column section > format > Capitalize Each Word) > home tab > close & apply.

Task 4

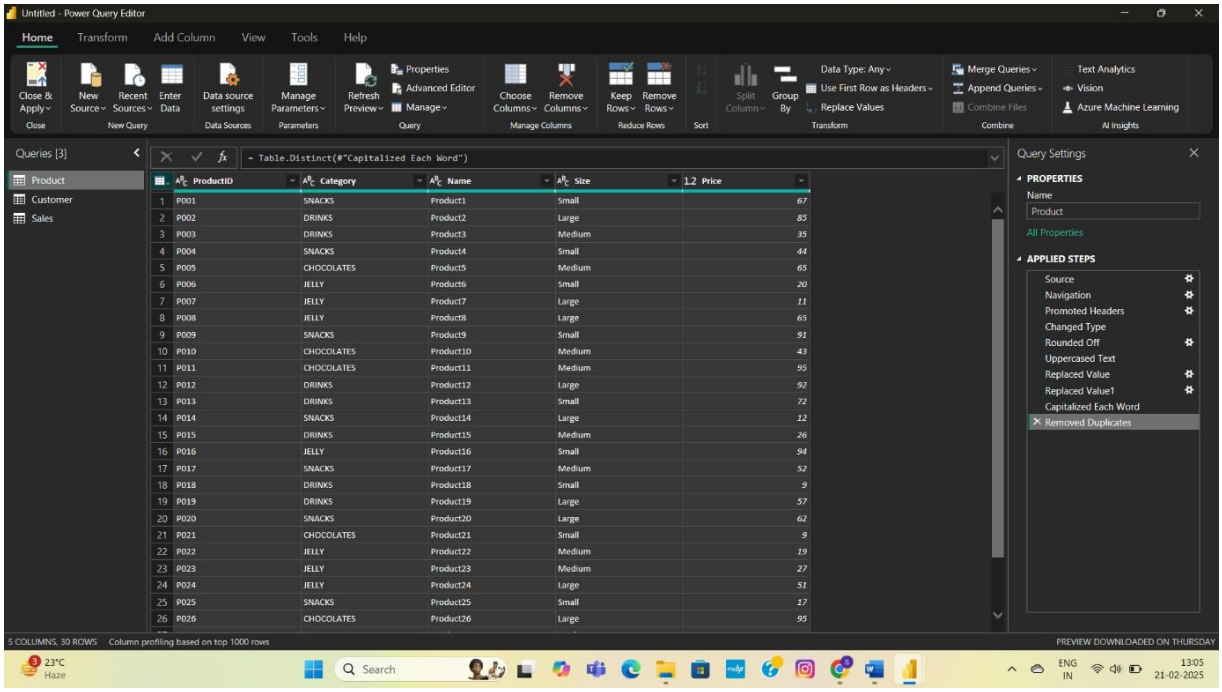
i.

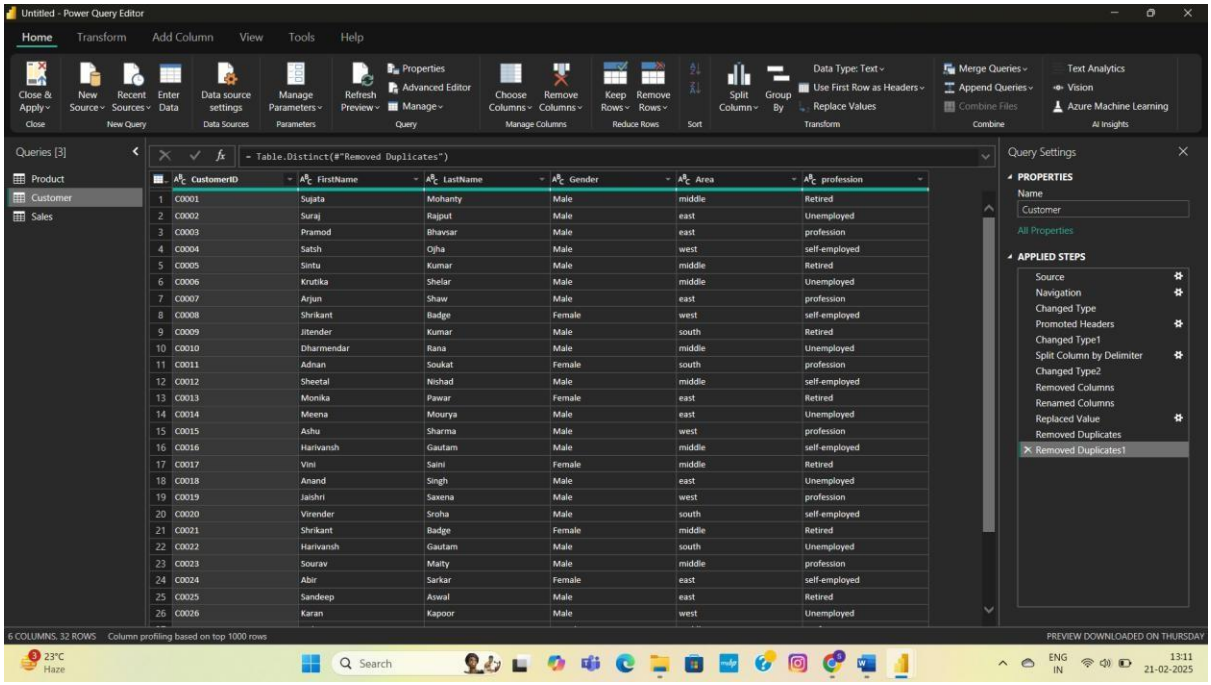




Create relationships between customerid and productid both are table view and model view

ii.

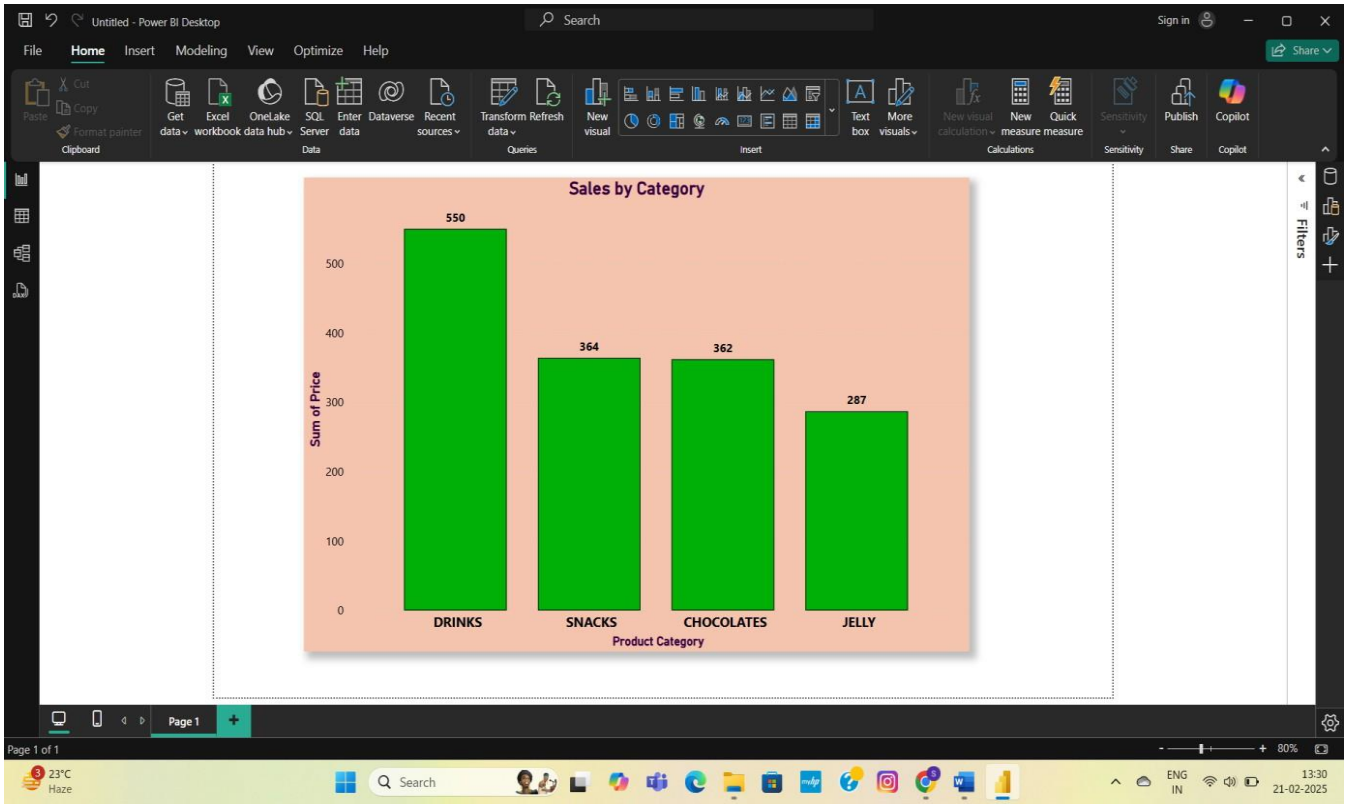




in power query editor go to product or customer table file, because already uploaded > home tab (reduce column section > remove rows > remove duplicate) > home tab > close & apply.

Task 05

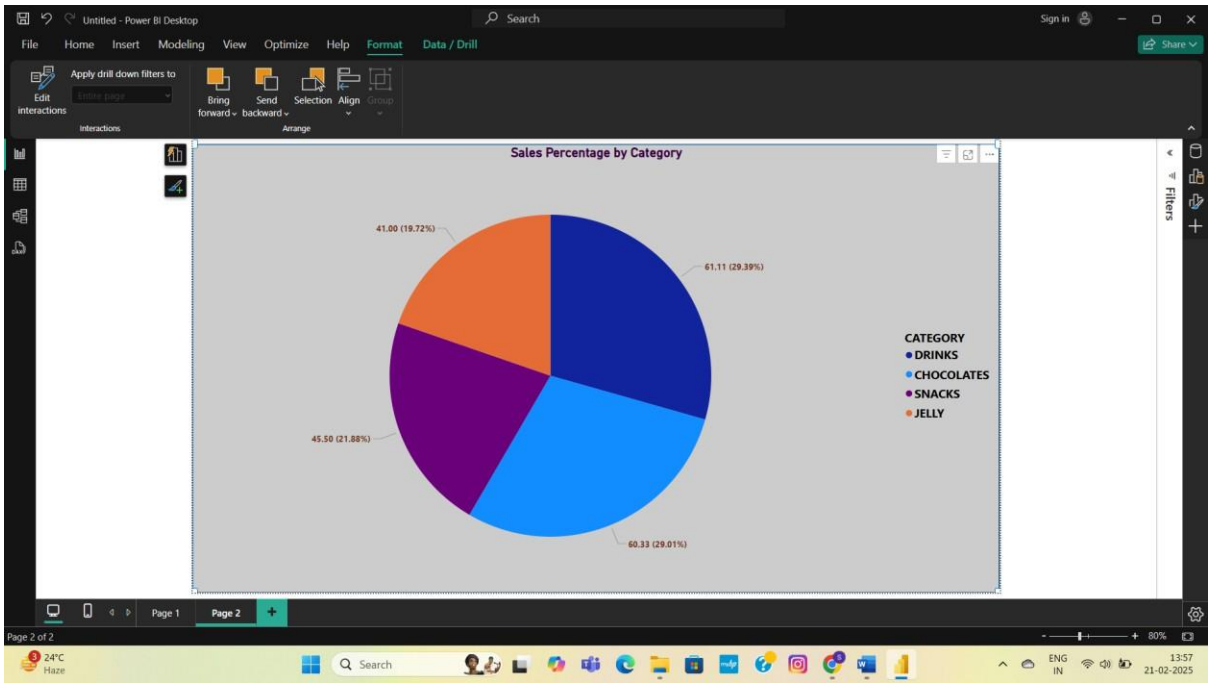
i. **Sales by Category**:



In power bi desktop choose a stacked column chart and field x-axis are product category and y-axis is price as a sum of price.

Sum customization (Data label on, title heading, colour, background colour, total sum data pane, etc.)

ii. Sales Percentage by Category:



In power bi desktop choose a pie chart and field x-axis are product category and y-axis is price as an average of price.

Sum customization (Data label on, title heading, colour, background colour, total percentage of sales, etc.)