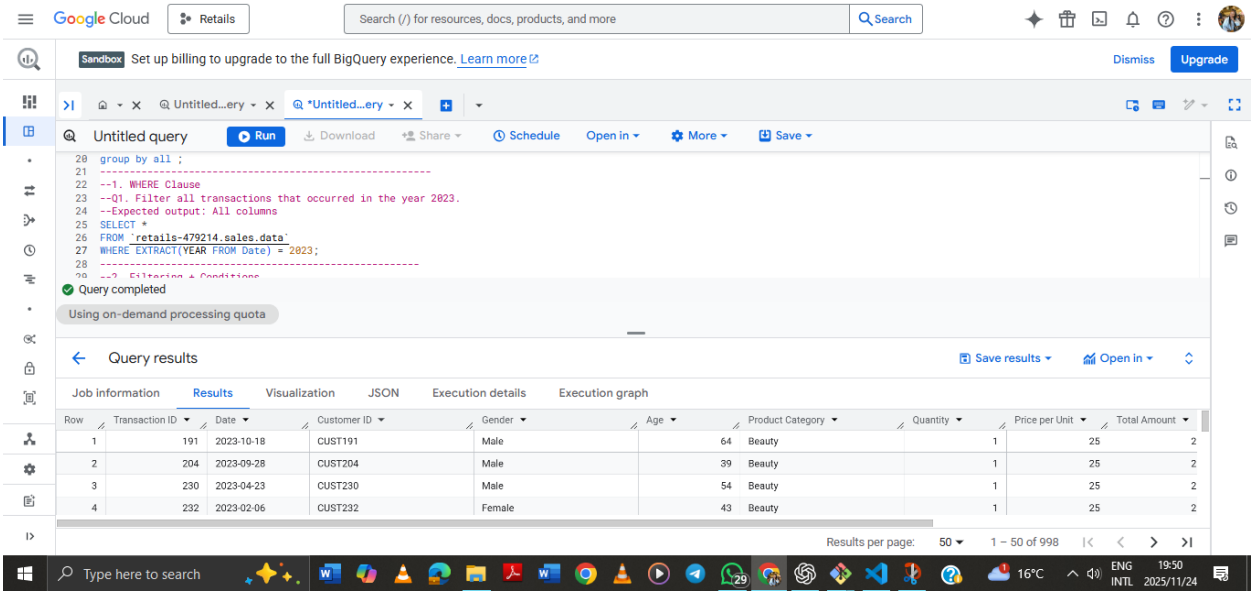
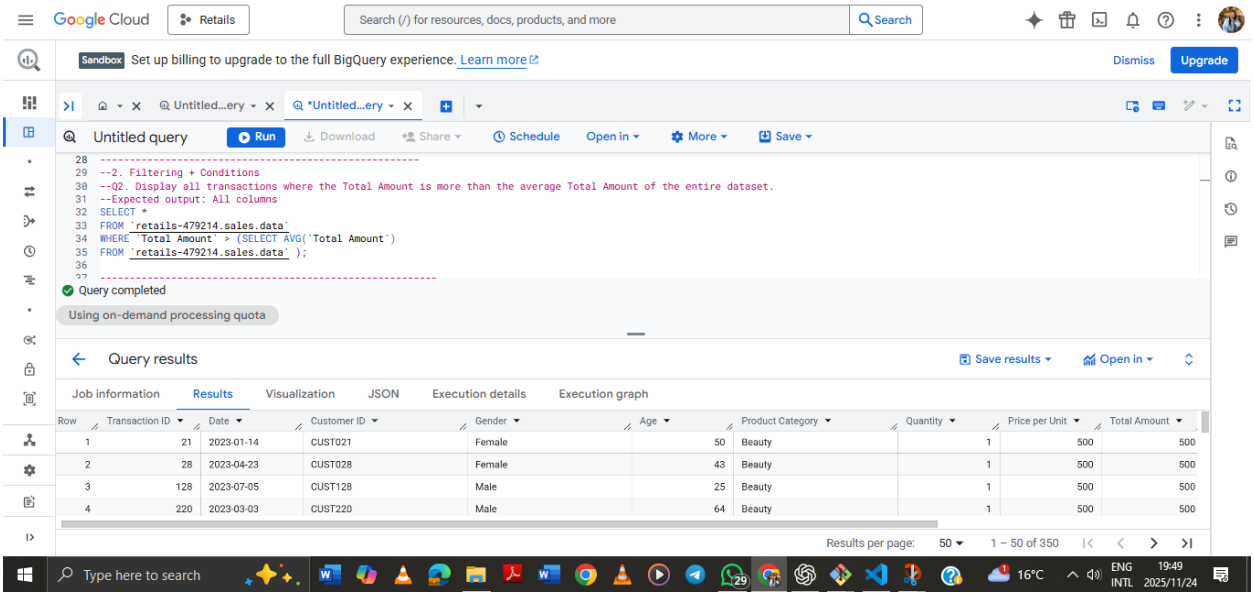
MUDAU TSHILIDZI ROJINA

Practical exercise (Google Big Query)

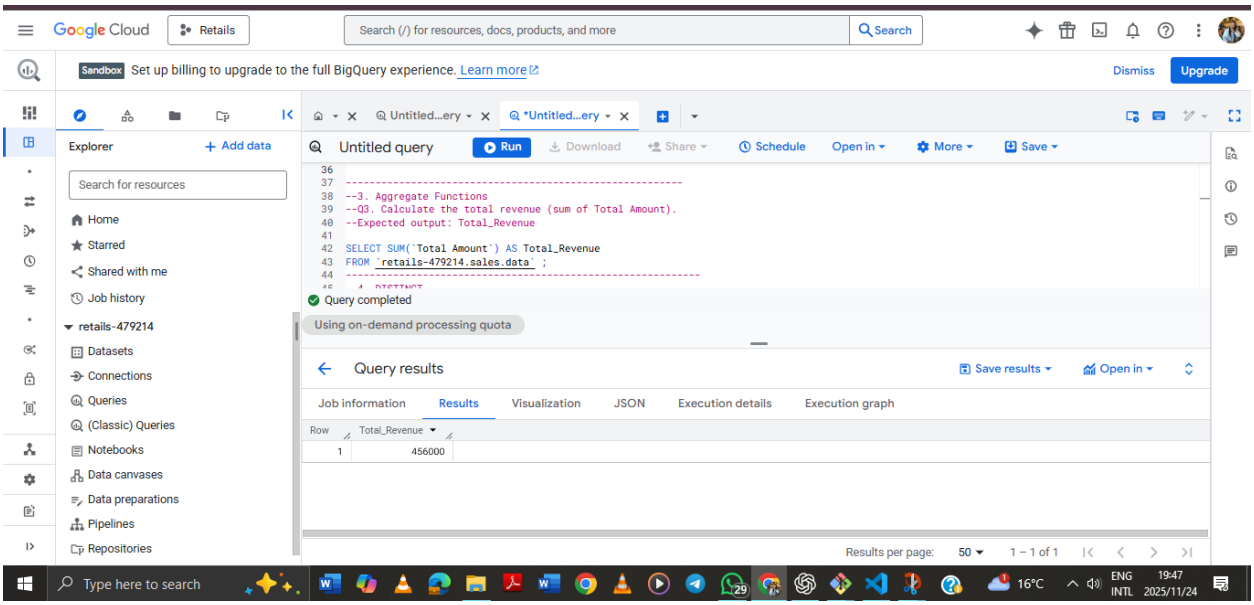
Question 1



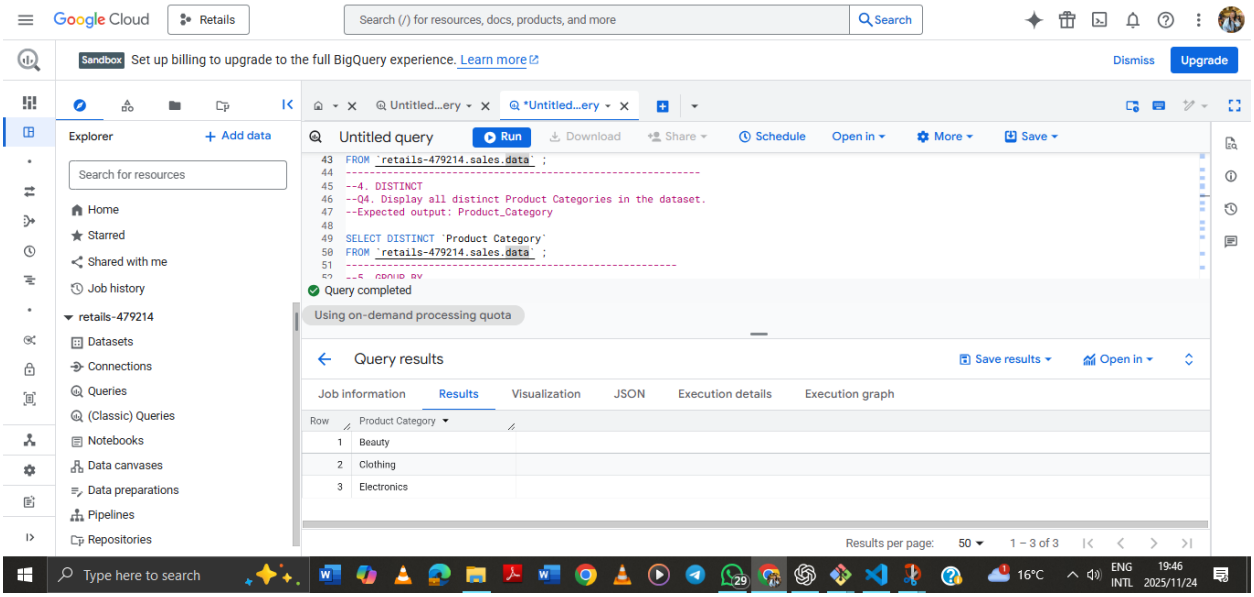
Question 2



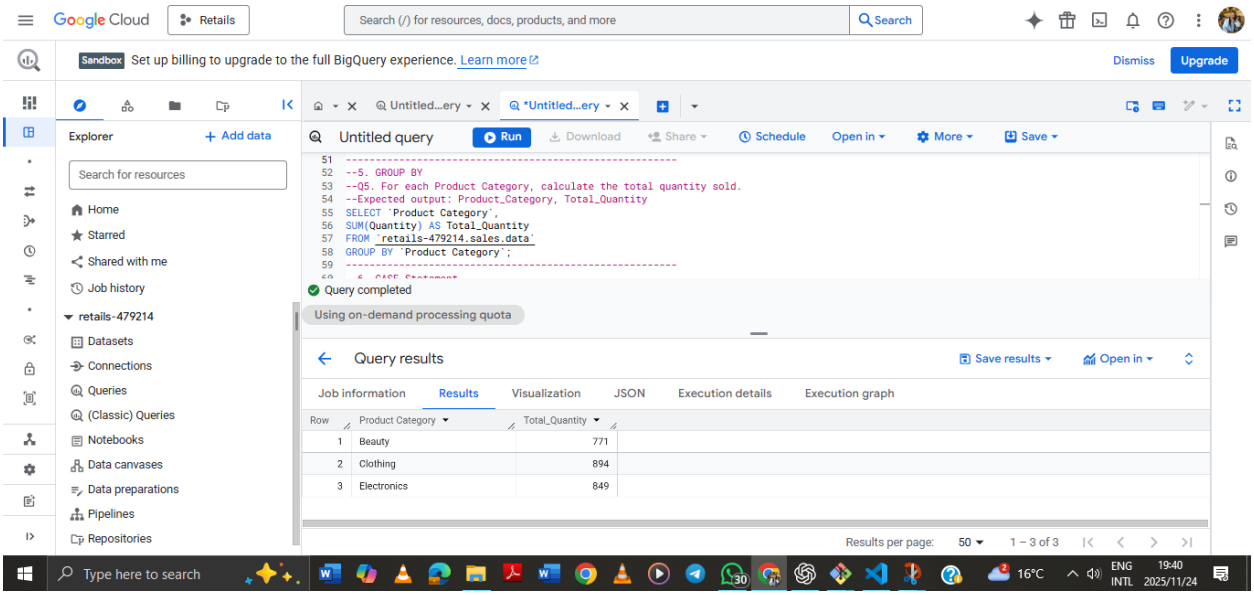
Question 3



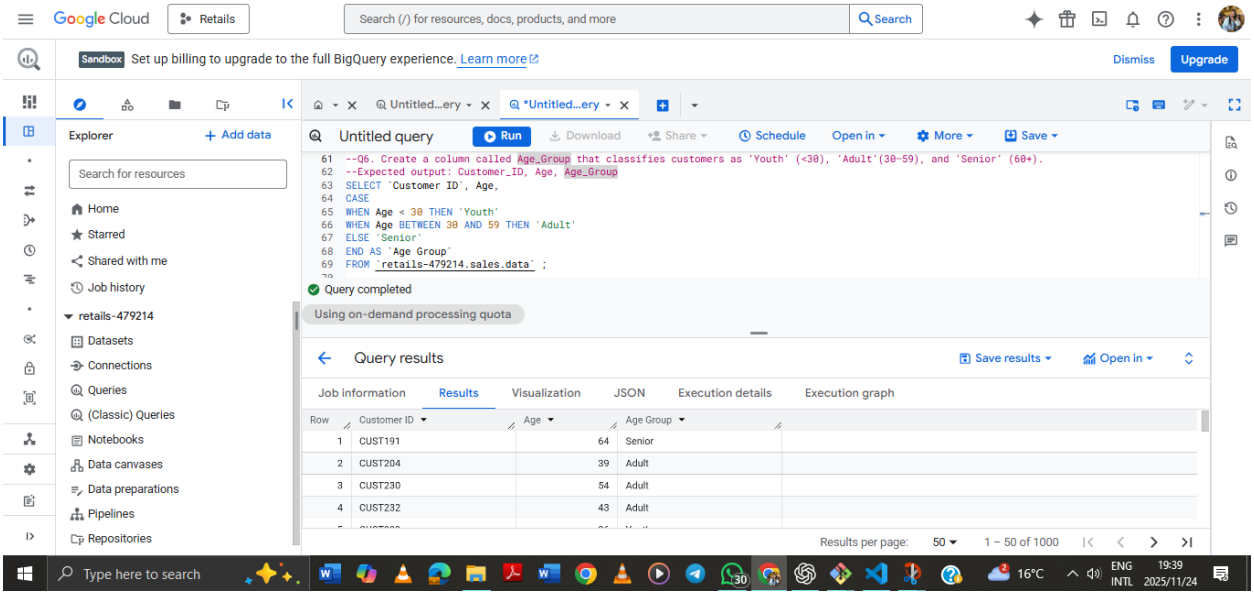
Question 4



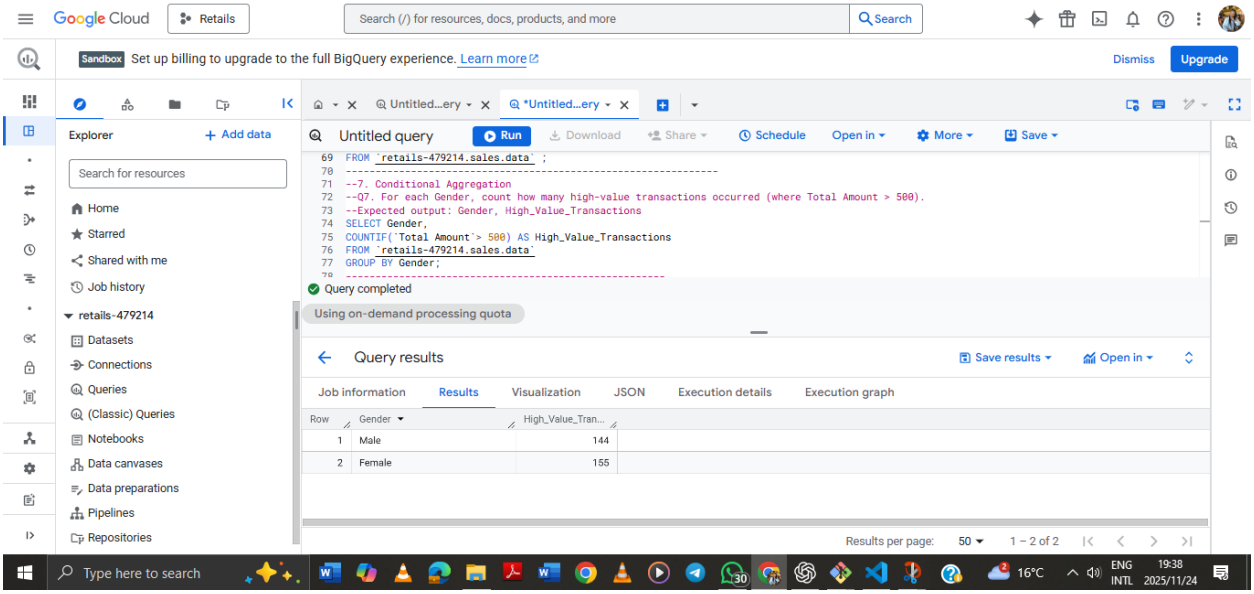
Question 5



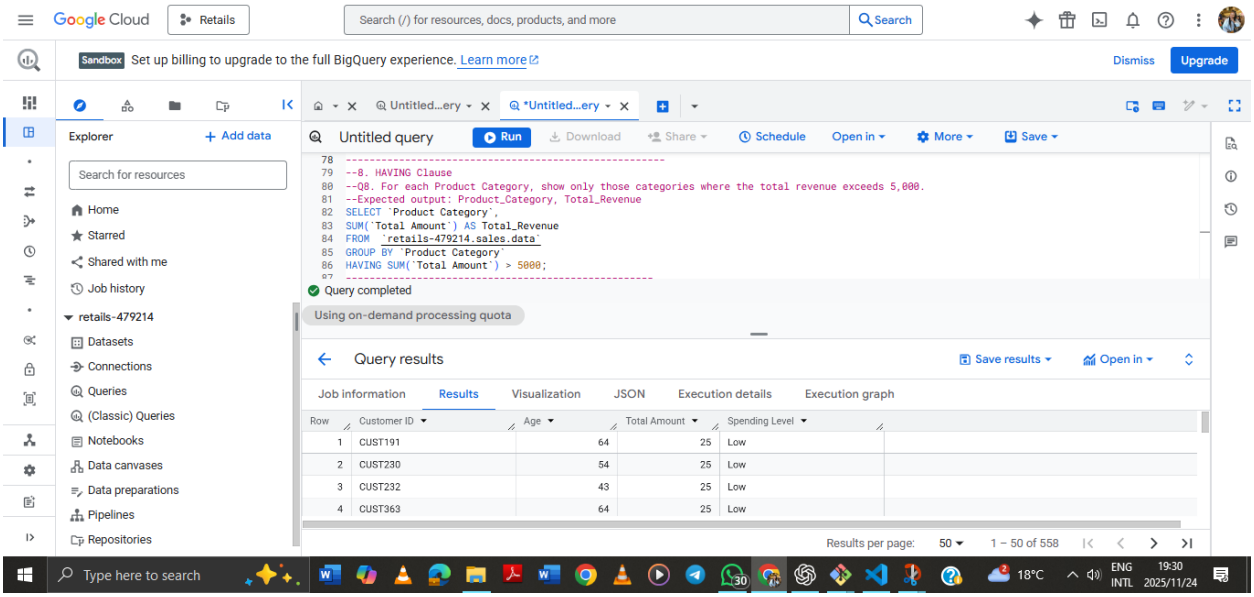
Question 6



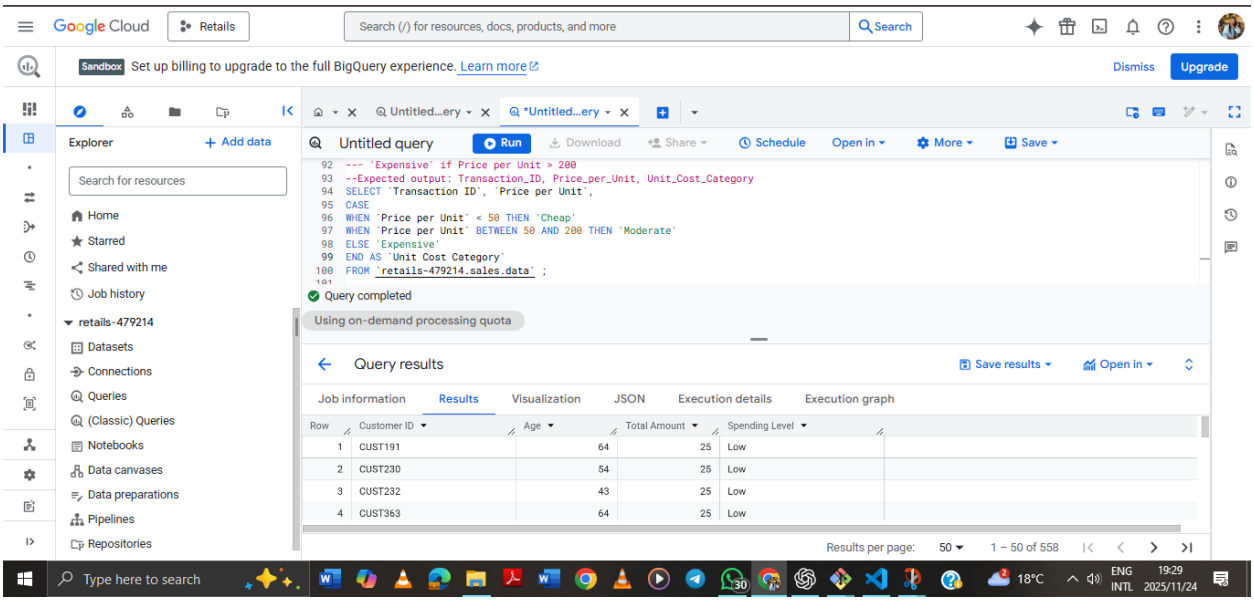
Question 7



Question 8



Question 9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(Classic) Queries
Notebooks
Data canvases
Data preparations
Pipelines
Repositories
Untitled query
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Save
92 --- 'Expensive' if Price per Unit > 200
93 --Expected output: Transaction_ID, Price_per_Unit, Unit_Cost_Category
94 SELECT `Transaction ID`, `Price per Unit`,
95 CASE
96 WHEN `Price per Unit` < 50 THEN 'Cheap'
97 WHEN `Price per Unit` BETWEEN 50 AND 200 THEN 'Moderate'
98 ELSE 'Expensive'
99 END AS `Unit Cost Category`
100 FROM `retails-479214.sales.data` ;
Query completed
Using on-demand processing quota
Query results
Save results
Open in
Job information
Results
Visualization
JSON
Execution details
Execution graph
Row
Customer ID
Age
Total Amount
Spending Level
1 CUST191 64 25 Low
2 CUST230 54 25 Low
3 CUST232 43 25 Low
4 CUST363 64 25 Low
Results per page: 50
1 – 50 of 558
Type here to search
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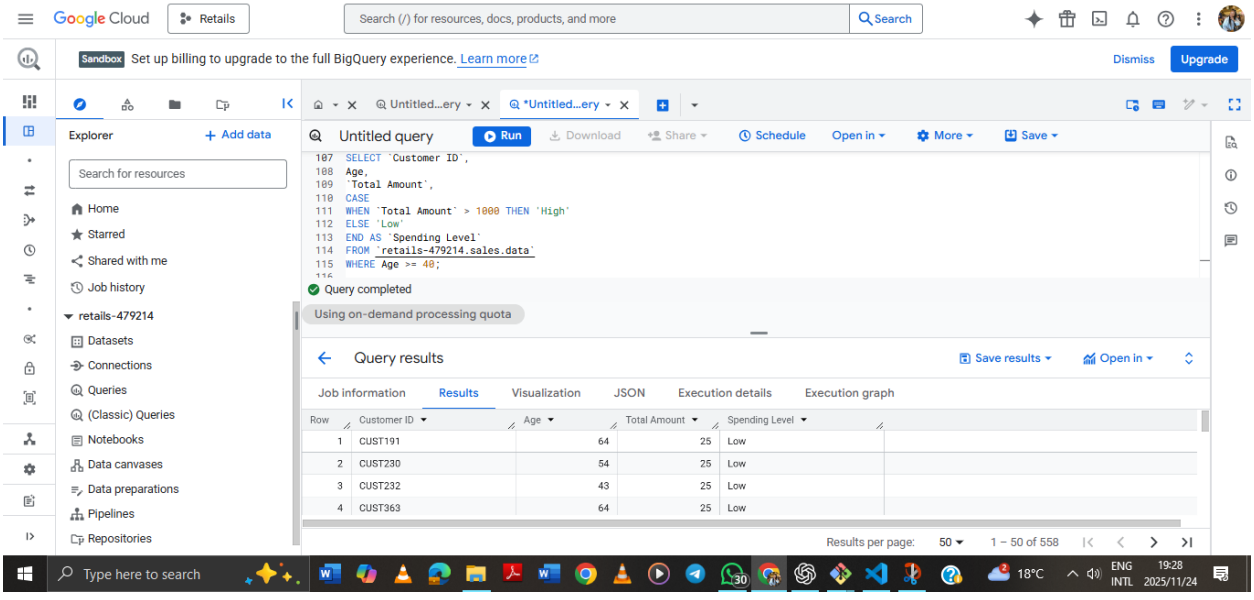
2025/11/24

Question 10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(Classic) Queries
Notebooks
Data canvases
Data preparations
Pipelines
Repositories
Untitled query
Run
Download
Share
Schedule
Open in
More
Save
107 SELECT `Customer ID`,
108 Age,
109 `Total Amount`,
110 CASE
111 WHEN `Total Amount` > 1000 THEN 'High'
112 ELSE 'Low'
113 END AS `Spending Level`
114 FROM `retails-479214.sales.data`
115 WHERE Age >= 40;
Query completed
Using on-demand processing quota
Query results
Save results
Open in
Job information
Results
Visualization
JSON
Execution details
Execution graph
Row
Customer ID
Age
Total Amount
Spending Level
1 CUST191 64 25 Low
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4 CUST363 64 25 Low
Results per page: 50
1 – 50 of 558
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