**Internship Program: Soulvibe.Tech** 

# "Customer Order Analysis Using SQL"

Batch Name: SVT/DAINT/2025/05/B01



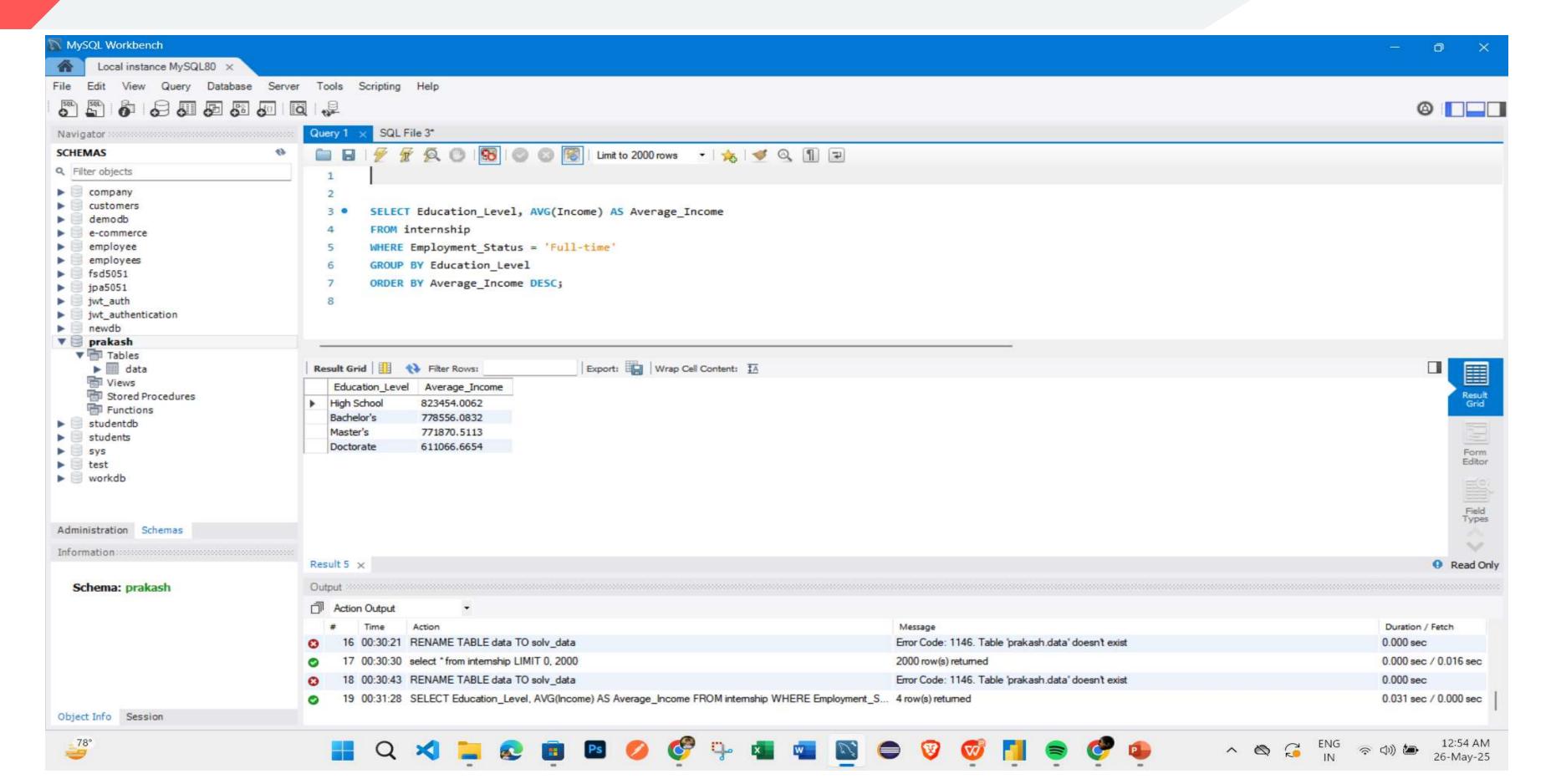
#### Introduction



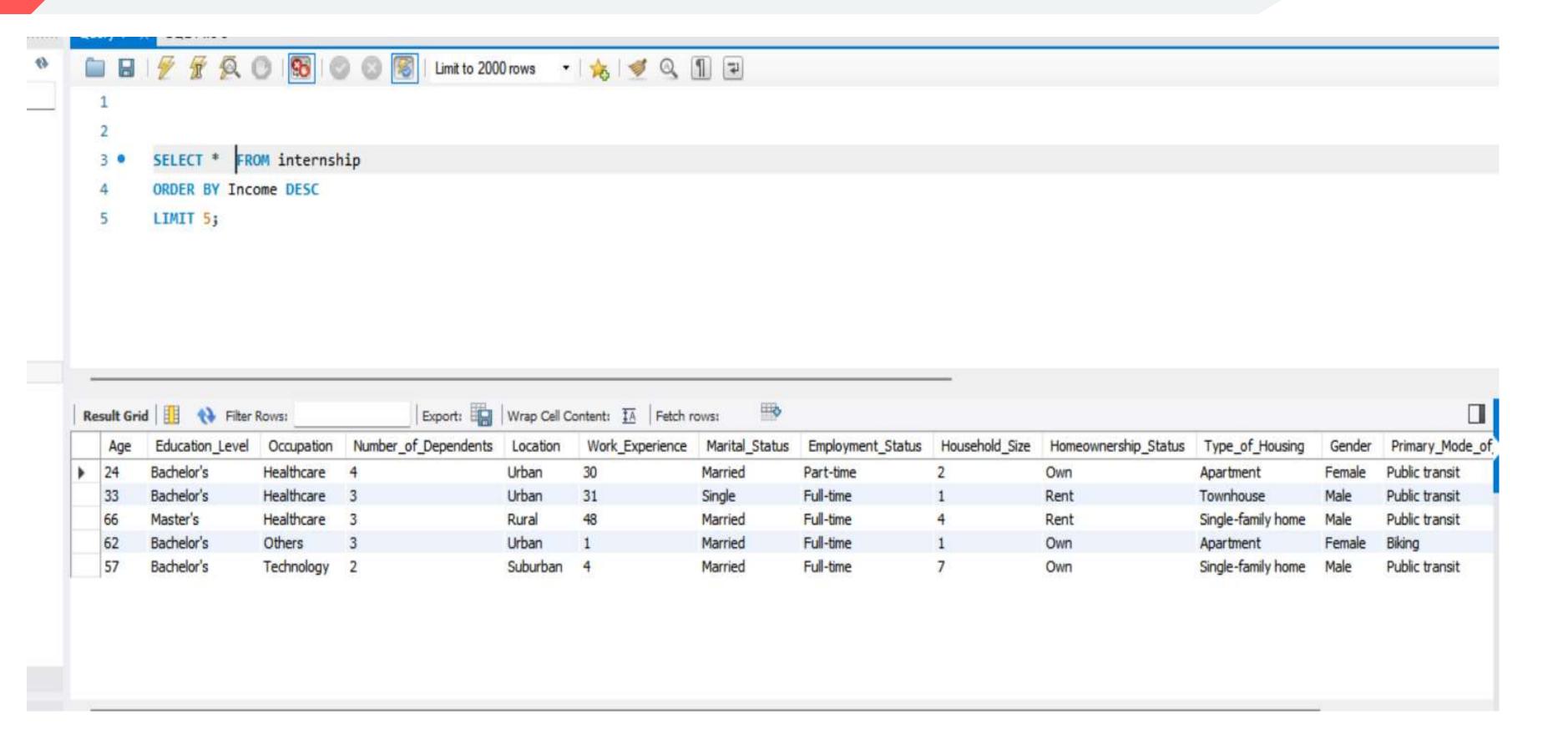
#### **Overview of the main objectives**

In this task, I was asked to analyze customer order data using SQL. The objective was to derive meaningful business insights by writing queries to filter, group, and summarize the data. This helps in understanding customer behavior, sales performance, and operational patterns. I used SQL to explore trends and answer specific questions about the dataset.

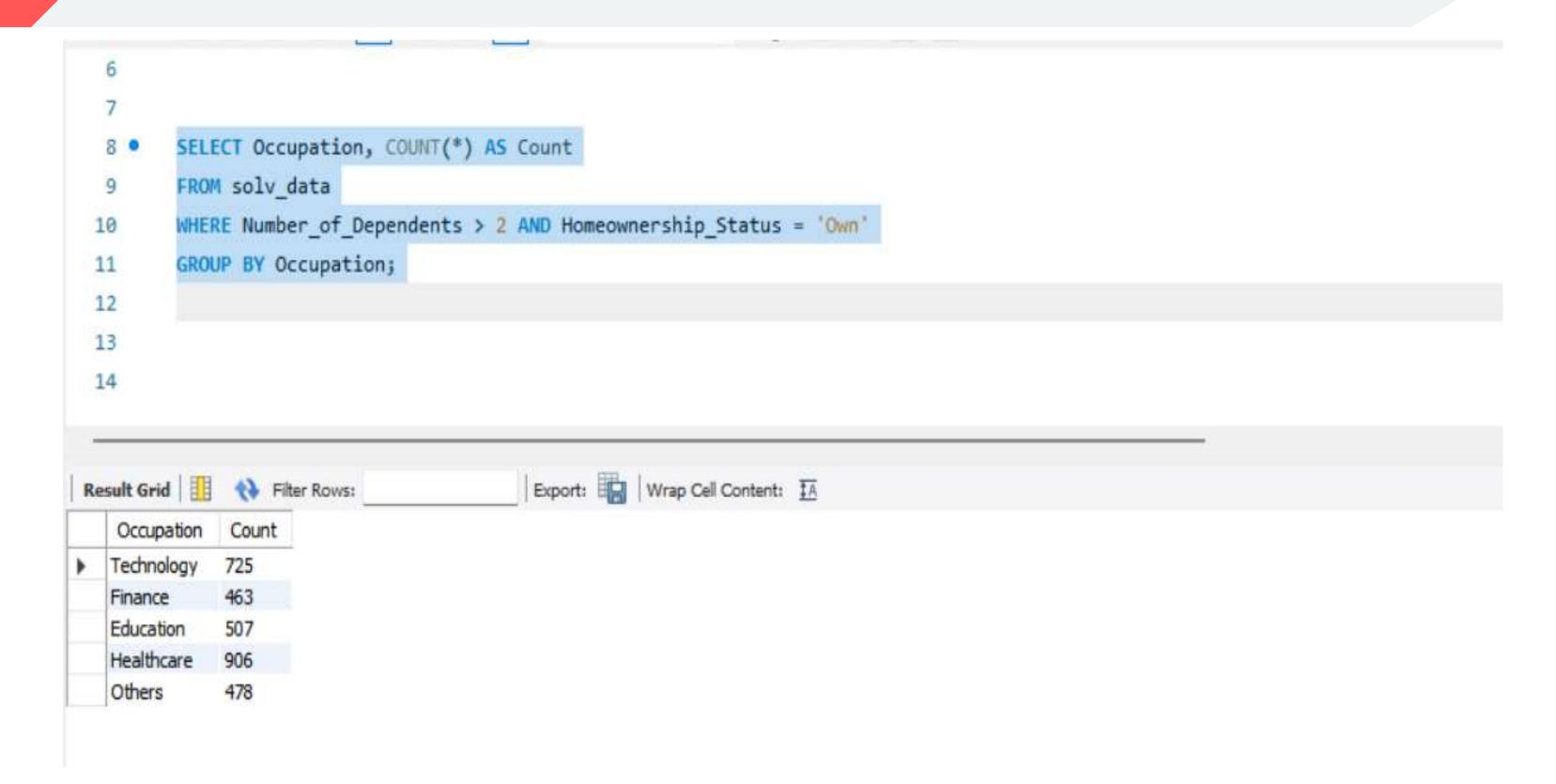
#### find the average income for each educational\_level for those who are employed full time.



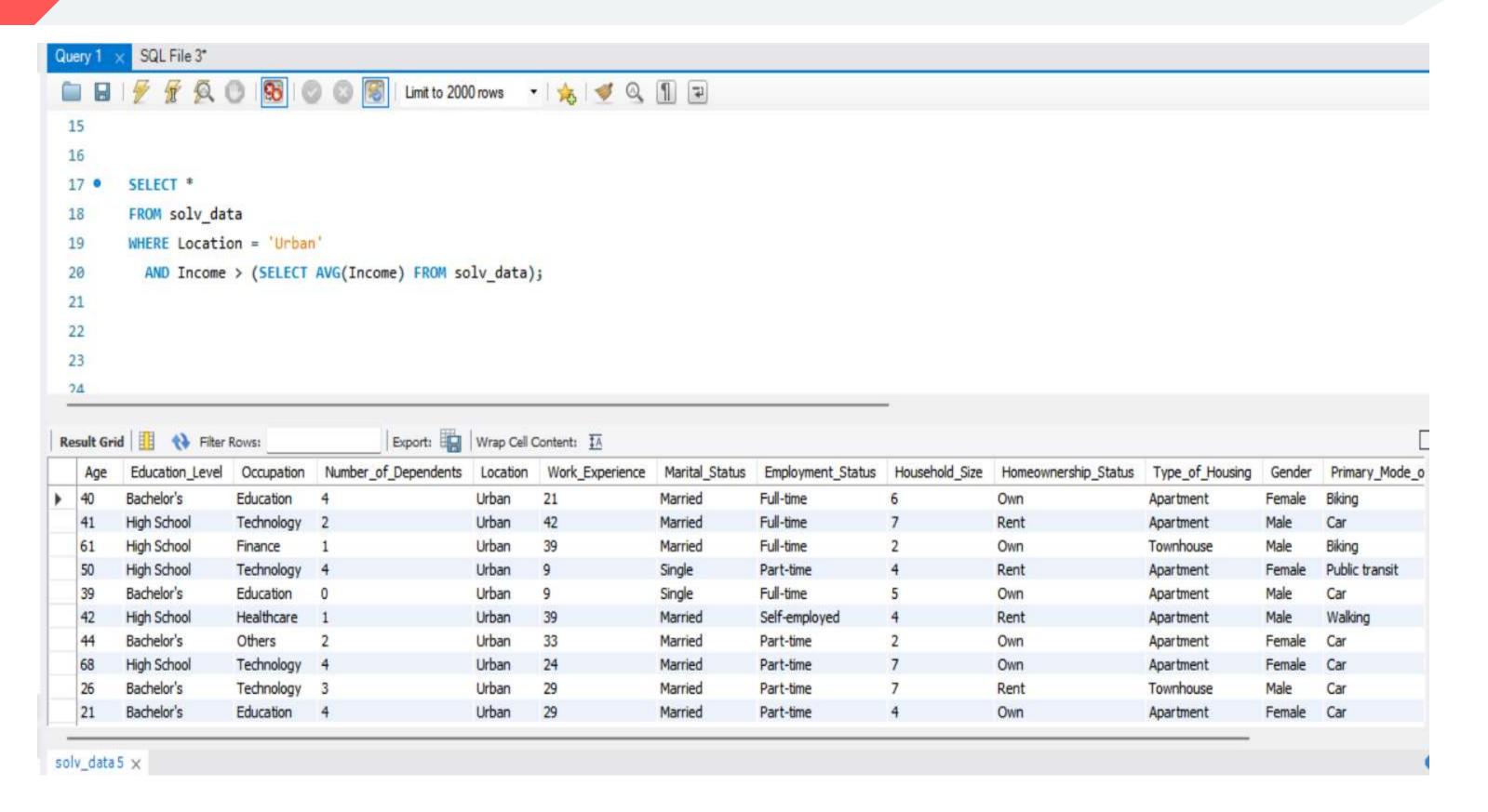
#### retrieve the top 5 highest earning individuals and their full details



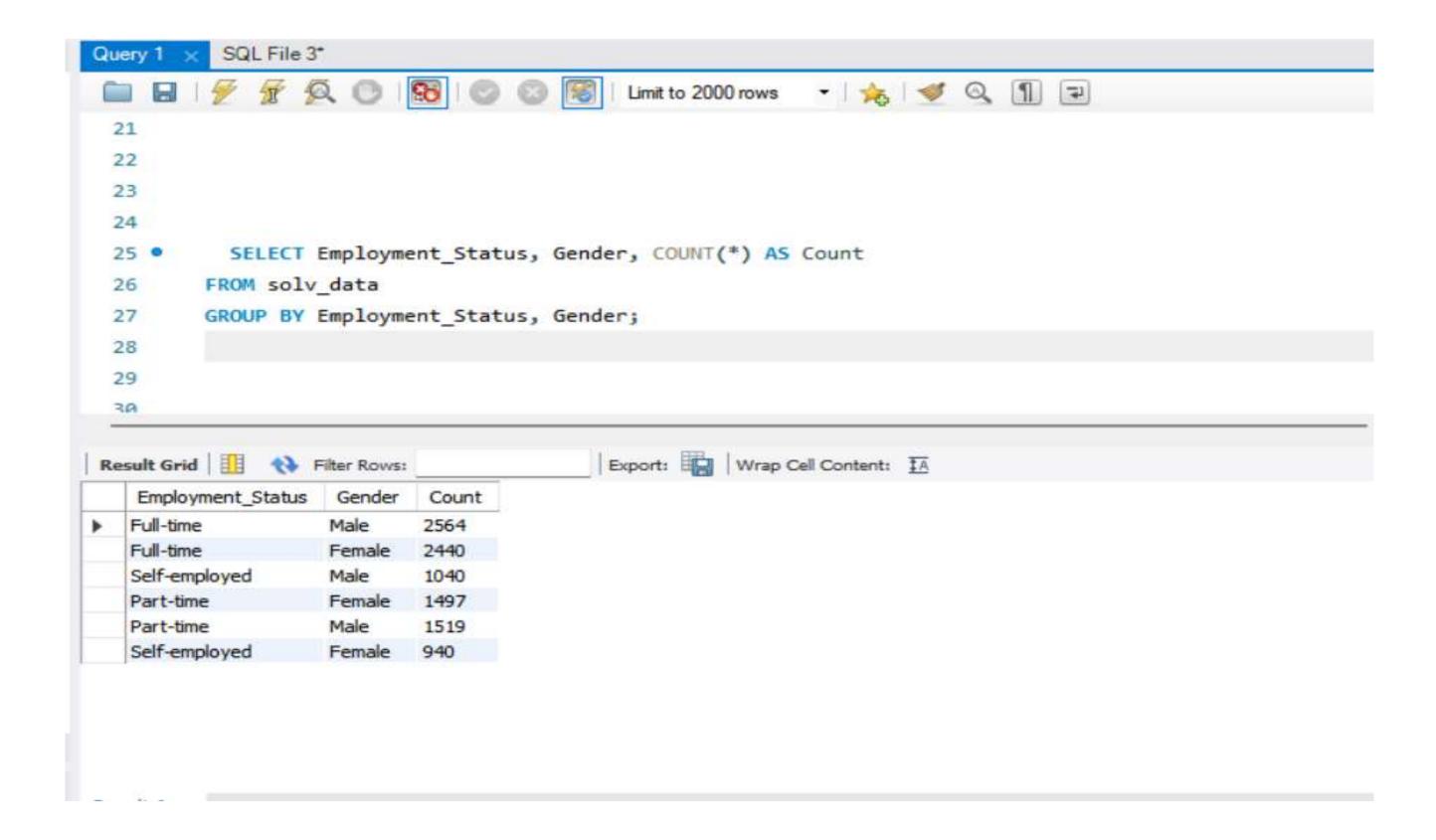
Count how many people in each Occupation have more than 2 dependents and own a house.



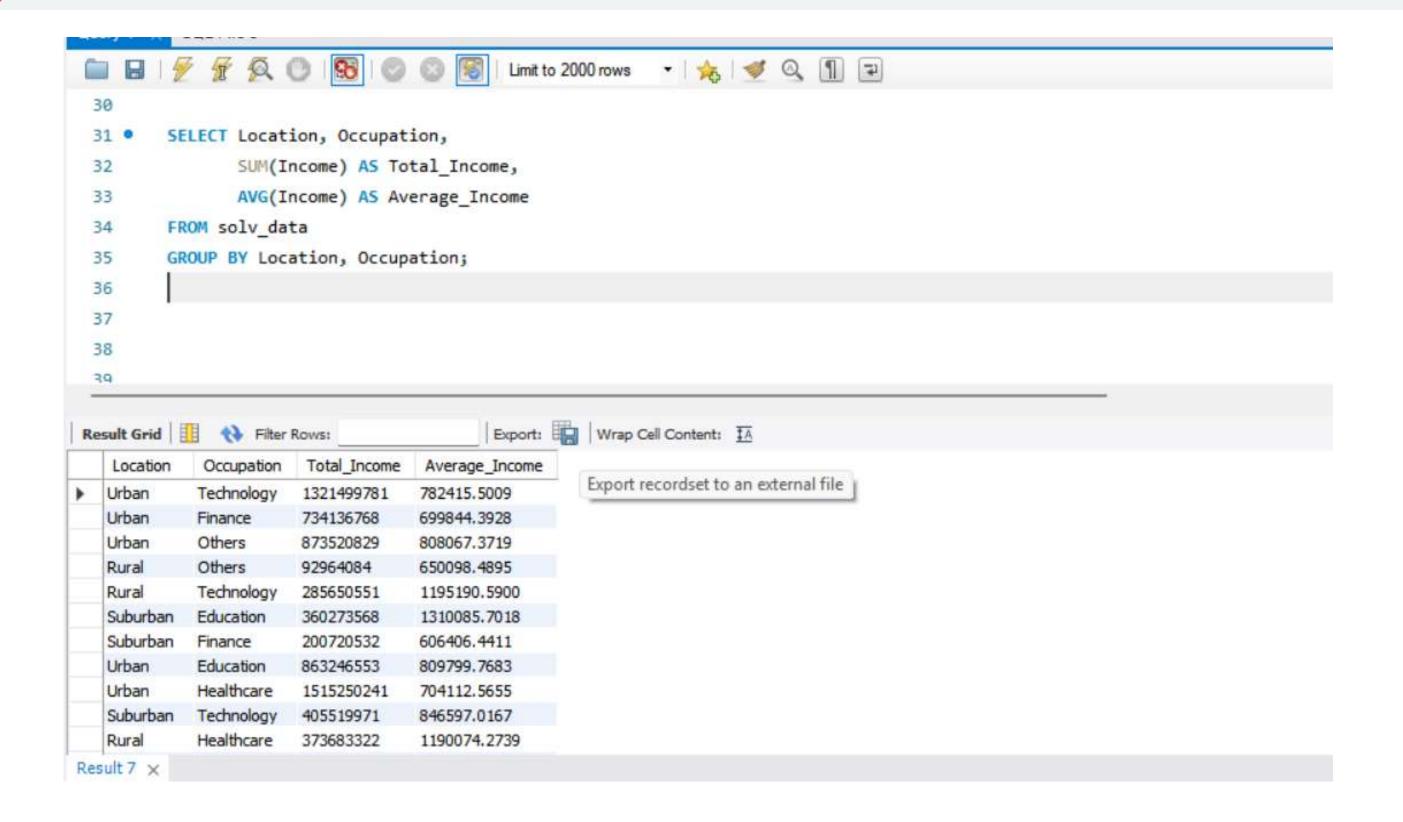
#### Individuals in Urban locations with income above average



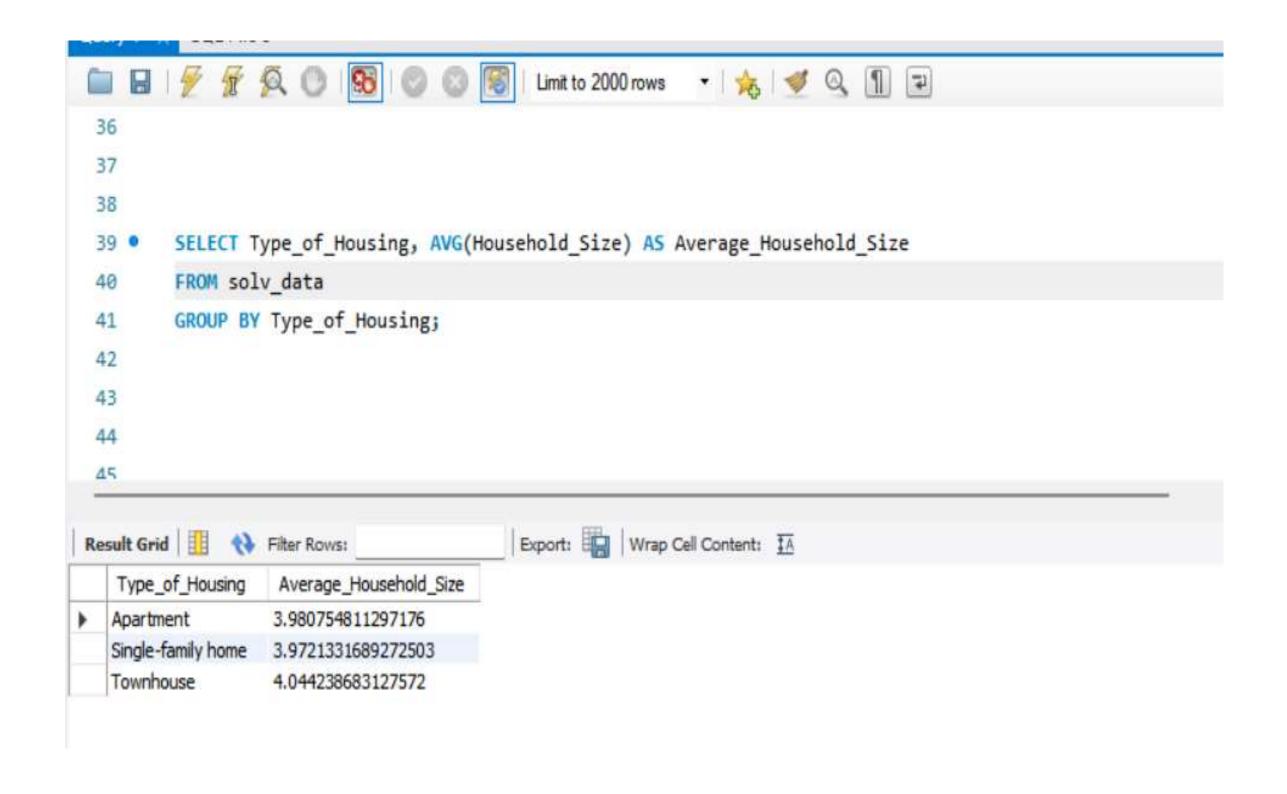
#### Count of males and females in each Employment\_Status



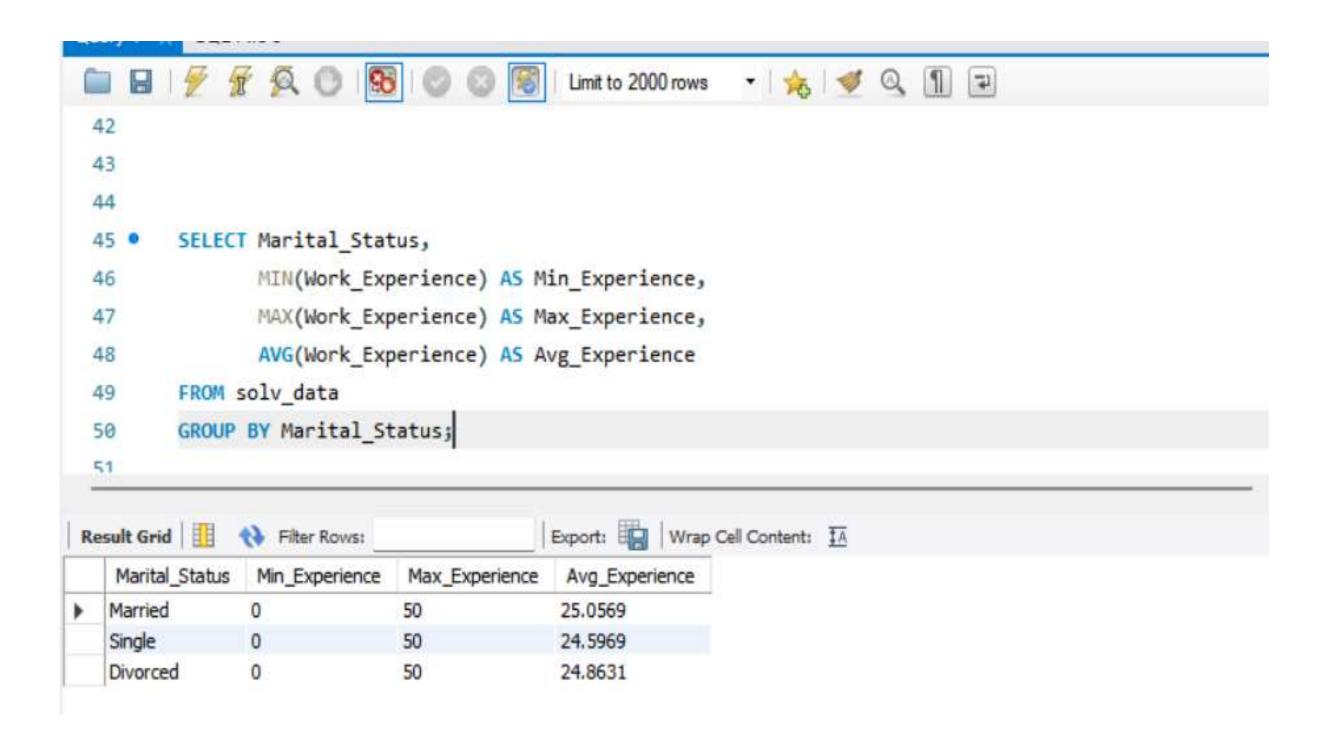
#### Total and average income by Location and Occupation



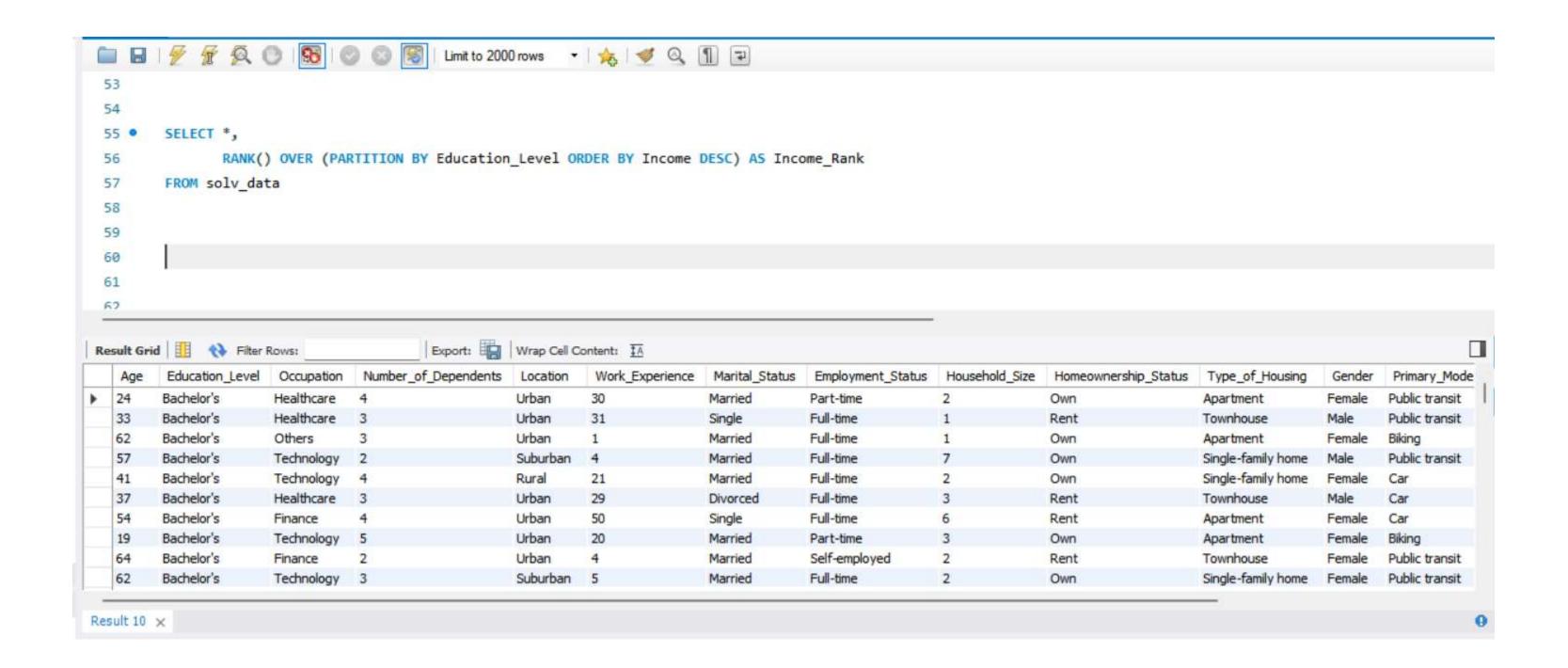
#### Average Household\_Size grouped by Type\_of\_Housing



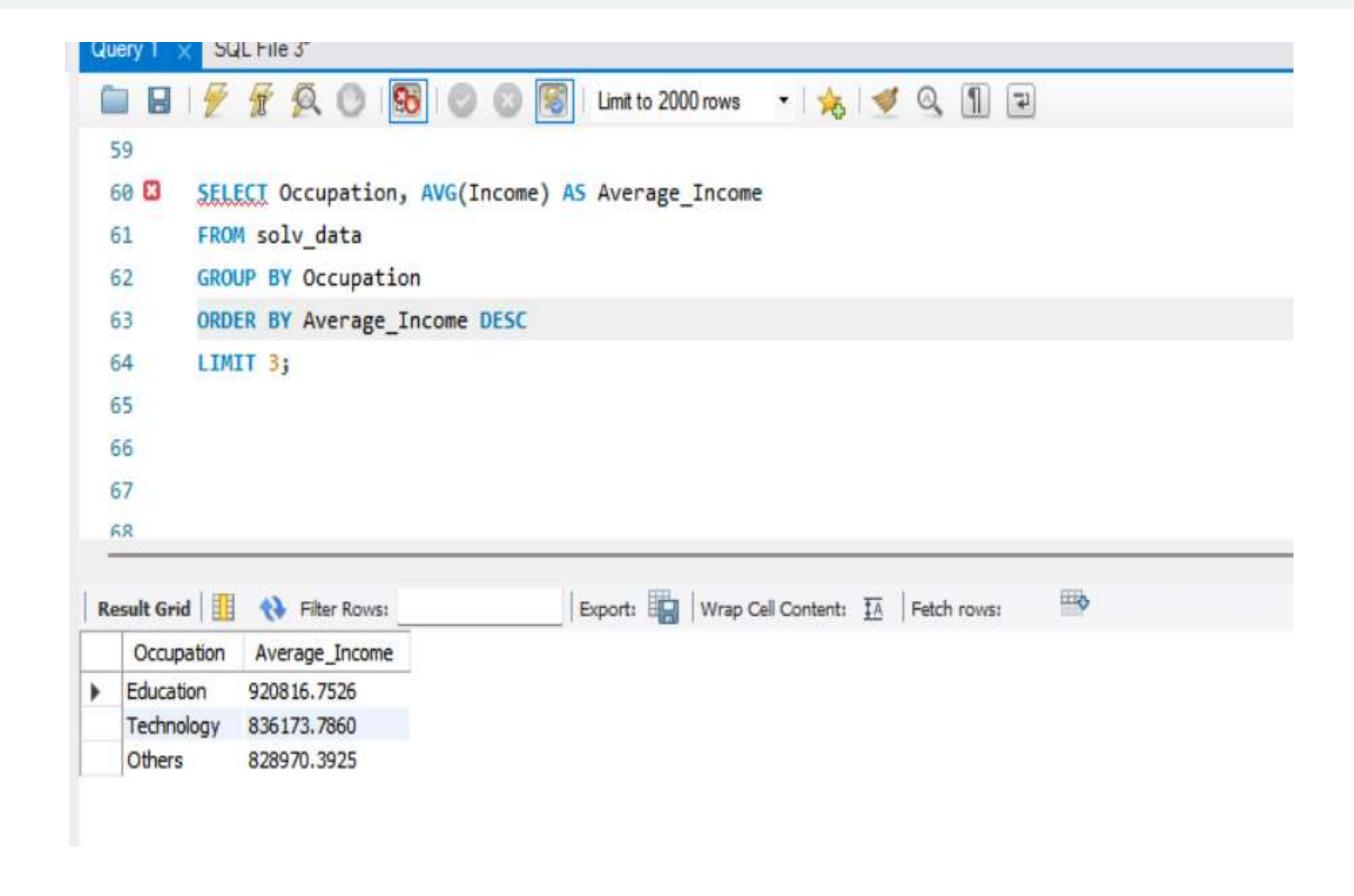
#### Min, Max, and Avg Work\_Experience for each Marital\_Status



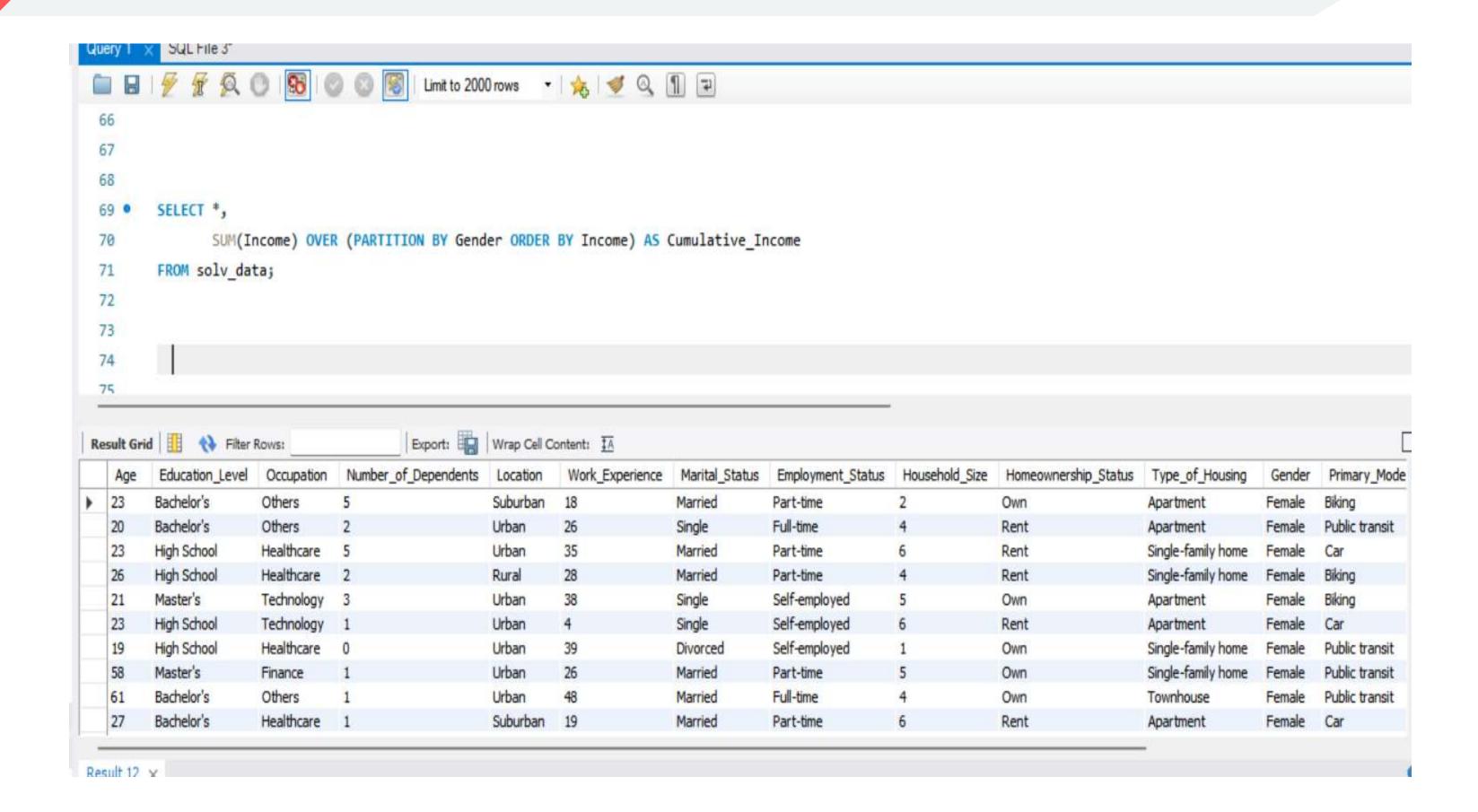
#### Rank individuals by Income within each Education\_Level



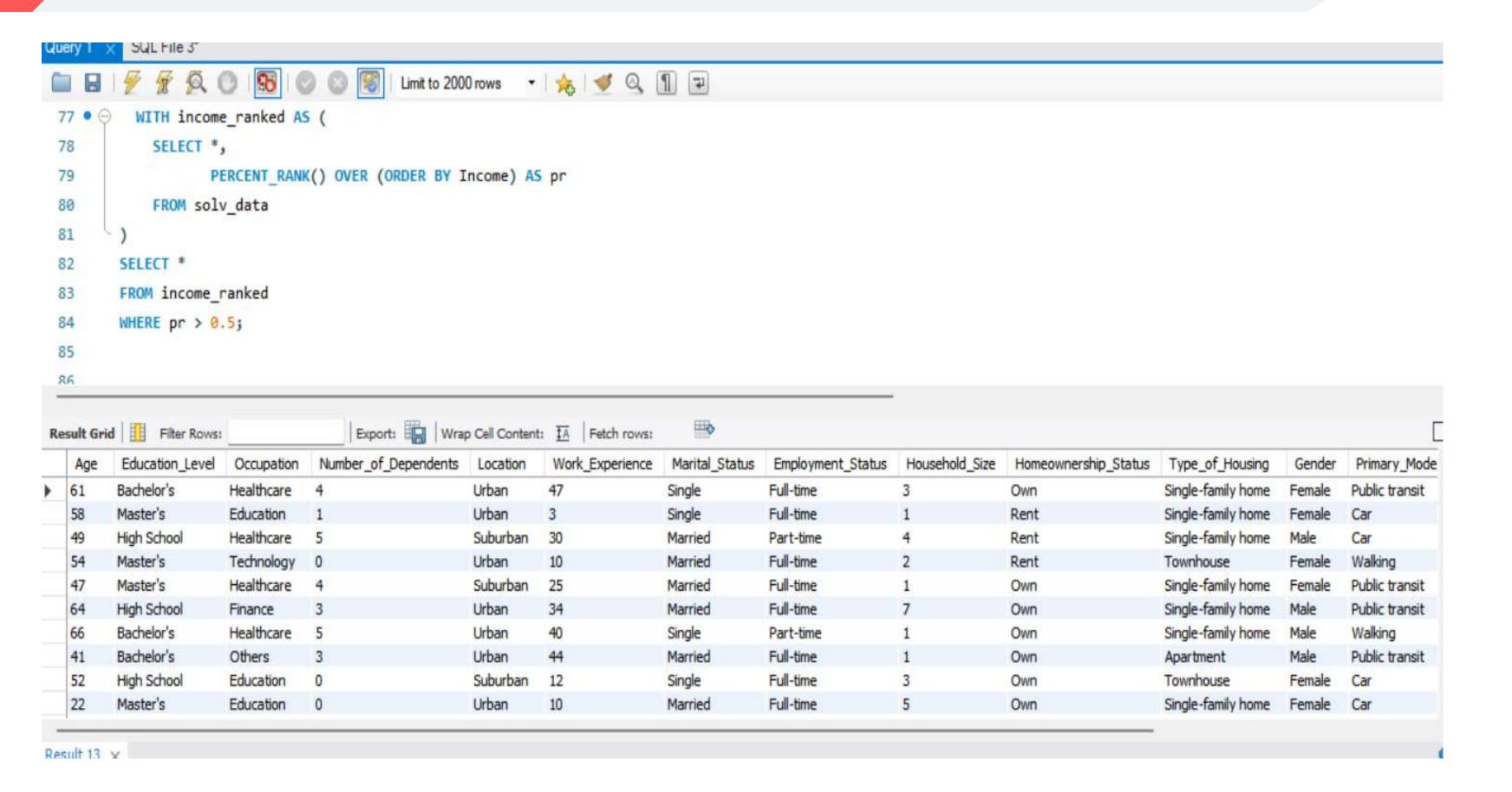
#### Top 3 Occupation types with highest average income



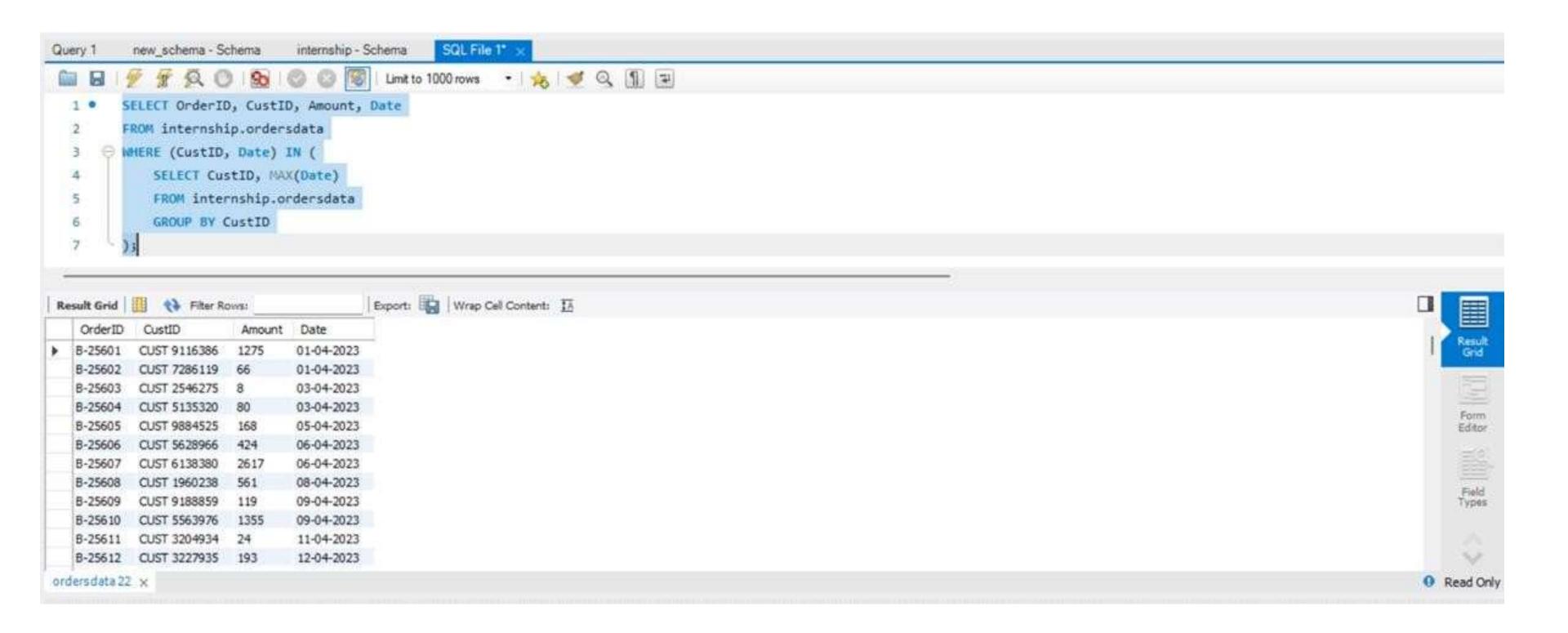
#### **Cumulative income for each Gender using window function**



#### List people whose income is above the median income



#### Show the latest order for each customer.



### Conclusion

Through this SQL-based exploration of the ordersdata table, I gained hands-on experience in extracting, filtering, grouping, and summarizing data effectively. By writing and analyzing 20 different queries, I was able to:

- Understand Customer Behaviour
- Analyse Sales Performance
- Evaluate Operational Status
- Demographic and Geographic Insights
- Category and Channel Analysis:

#### **Key Takeaways:**

- •SQL is a powerful tool to perform deep data analysis with precision.
- •Writing queries helped me understand the structure and relationships within the dataset.
- •These insights can be leveraged for business decisions like targeted marketing, inventory planning, and customer segmentation.
- •Data exploration using SQL lays the foundation for more advanced analytics and visualization in tools like Power BI or Tableau.



## Thank You

Done by Prakash samera email.prakashsamera254@gmail.com

