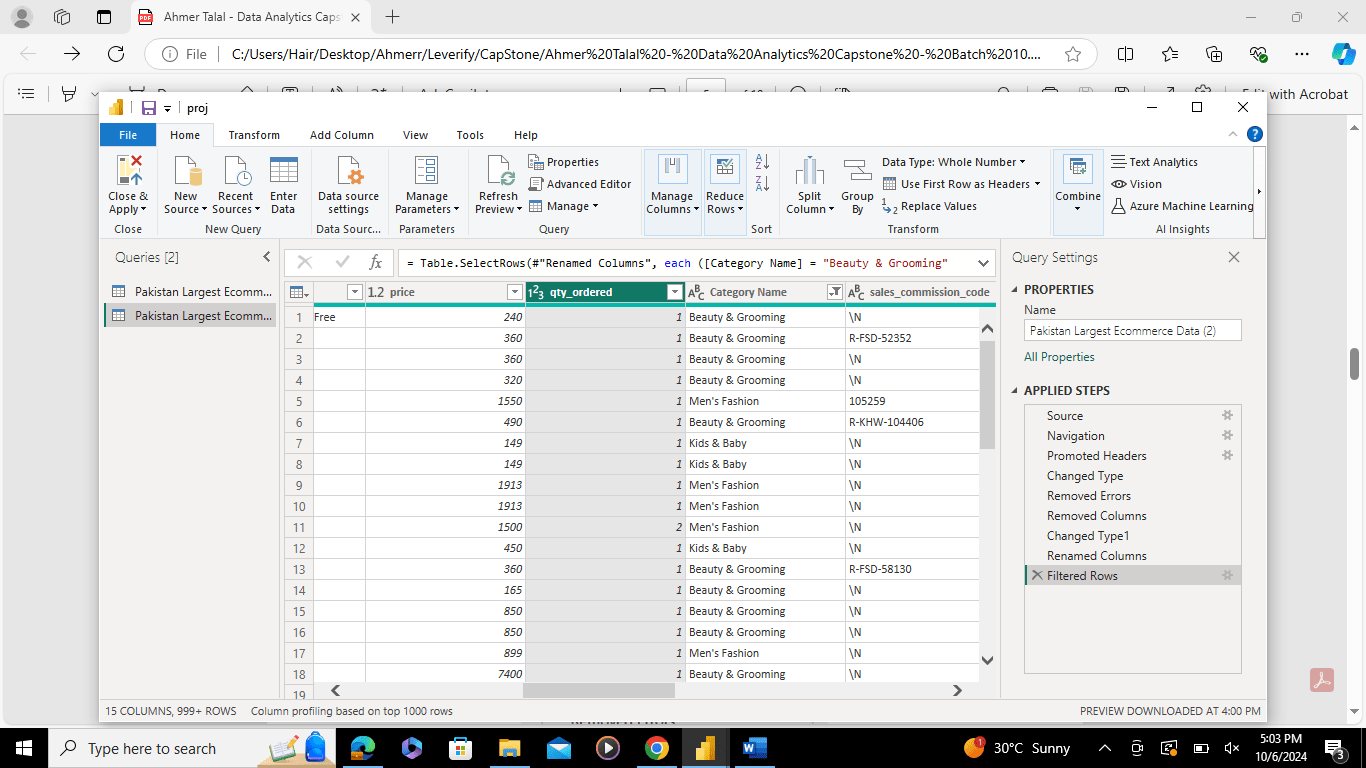
Looker-Studio

<https://lookerstudio.google.com/reporting/1c8a8e0f-85b4-4a79-9898-b8cf14d08dd0>

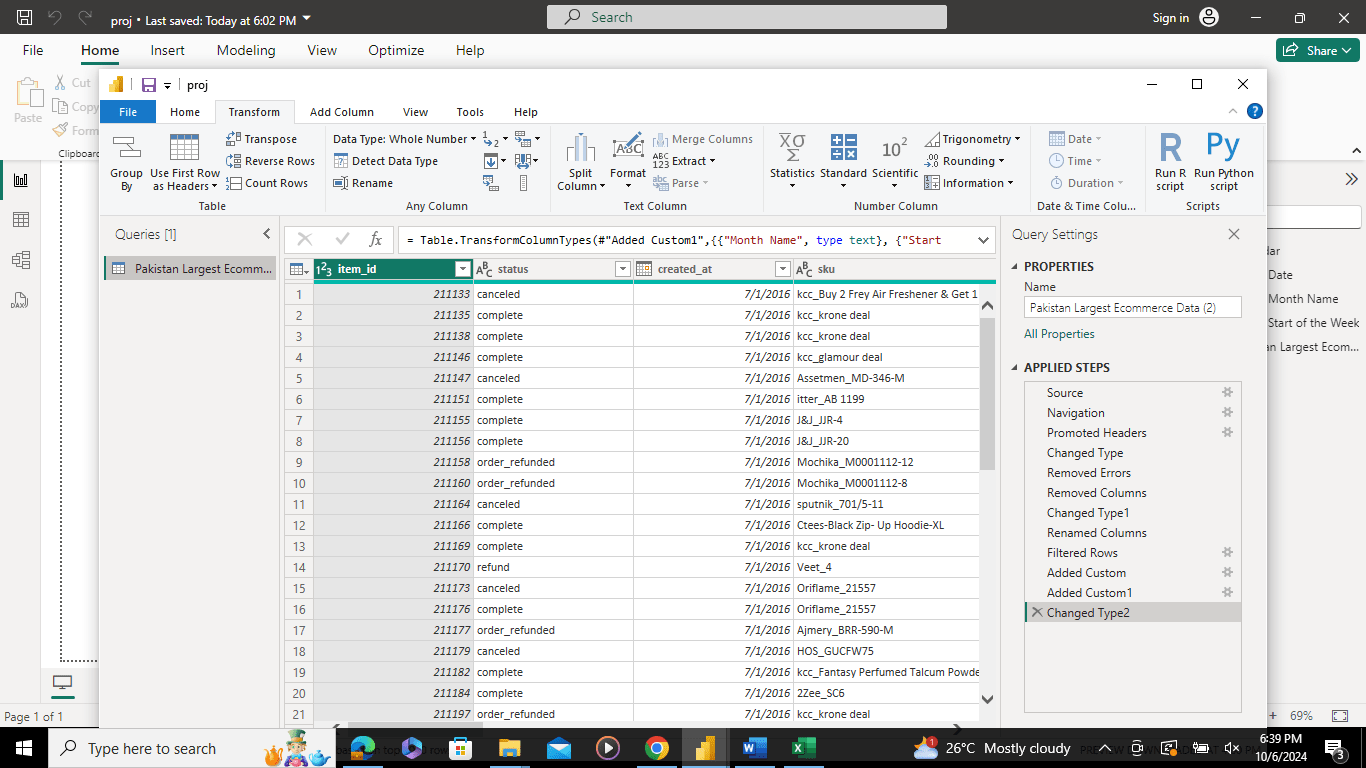
Power-BI

*Activity 1:*



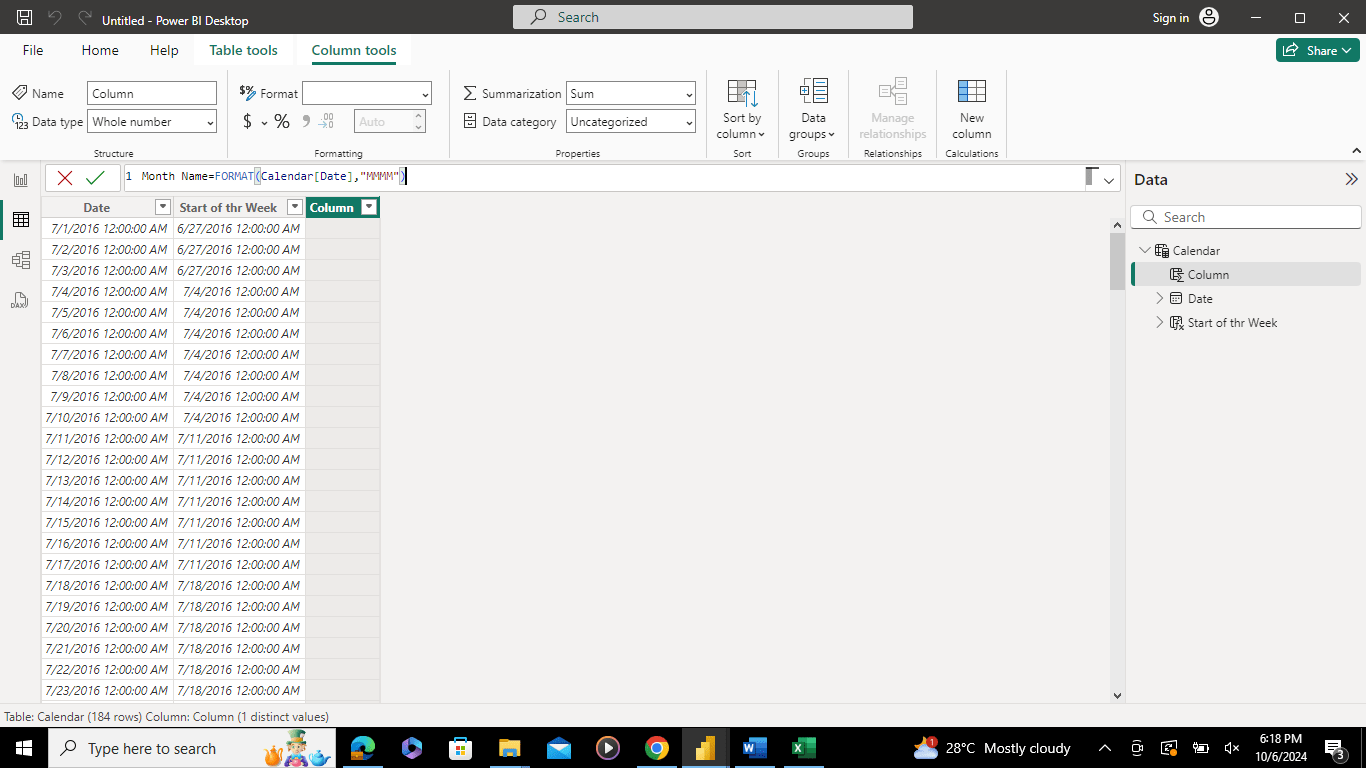
**Calendar Table:**

1st method:

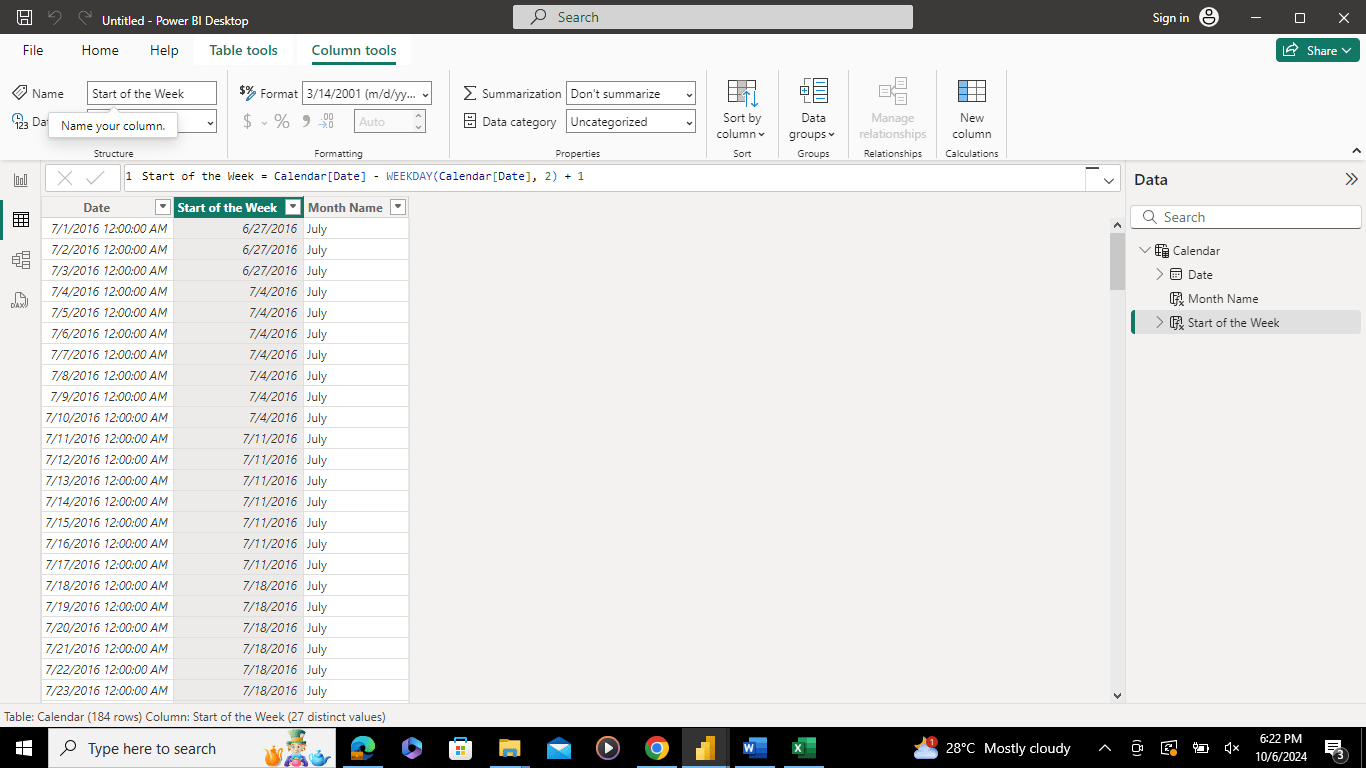


**SECOND METHOD:**

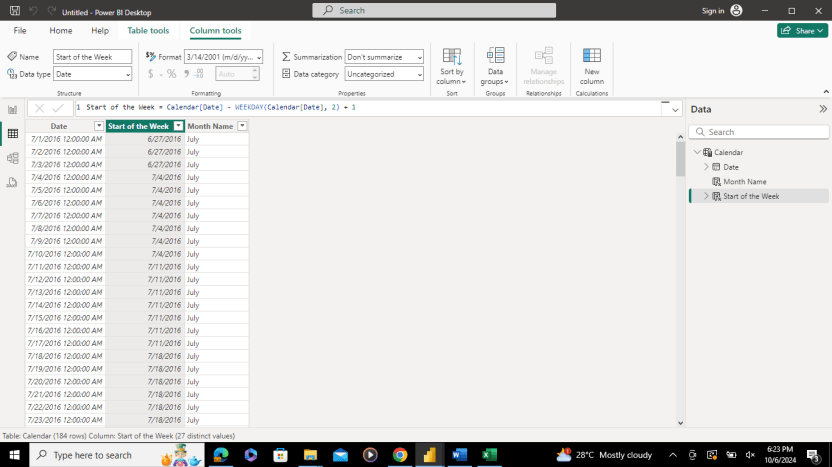
At start, first method is not working then I tried second one. After restarting the Laptop 1st method also works meanwhile I put screenshots of both methods.



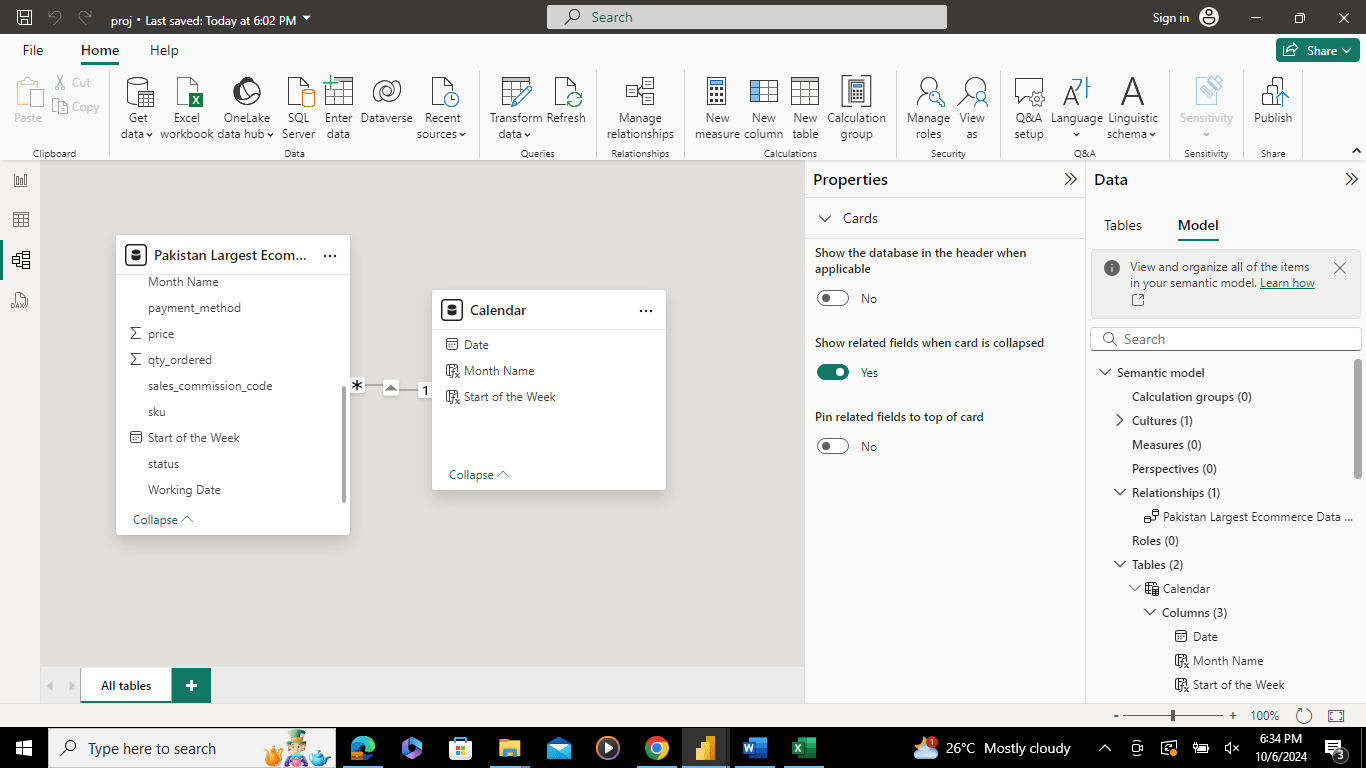
Now for Start of the Week Column:



Whole OVERVIEW:

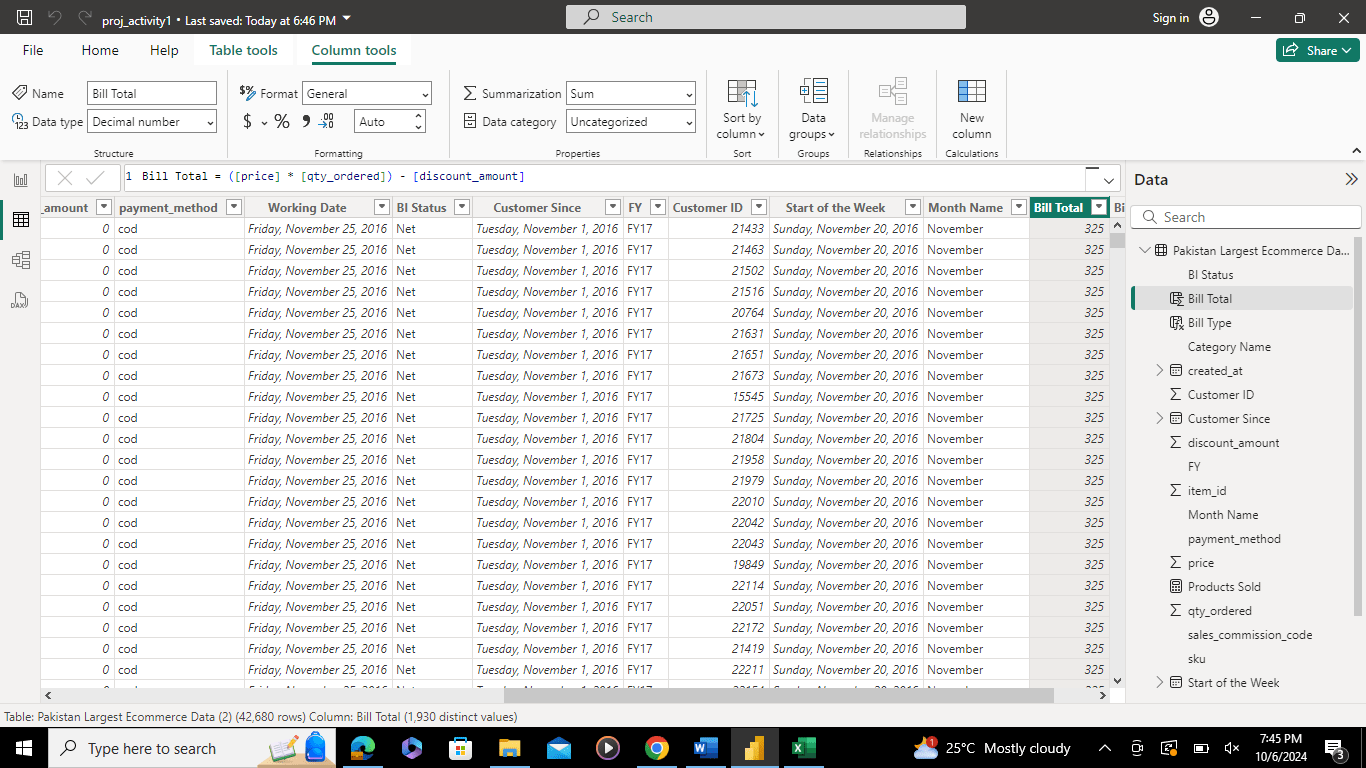


*Relationship between Calendar and Ecommerce dataset:*

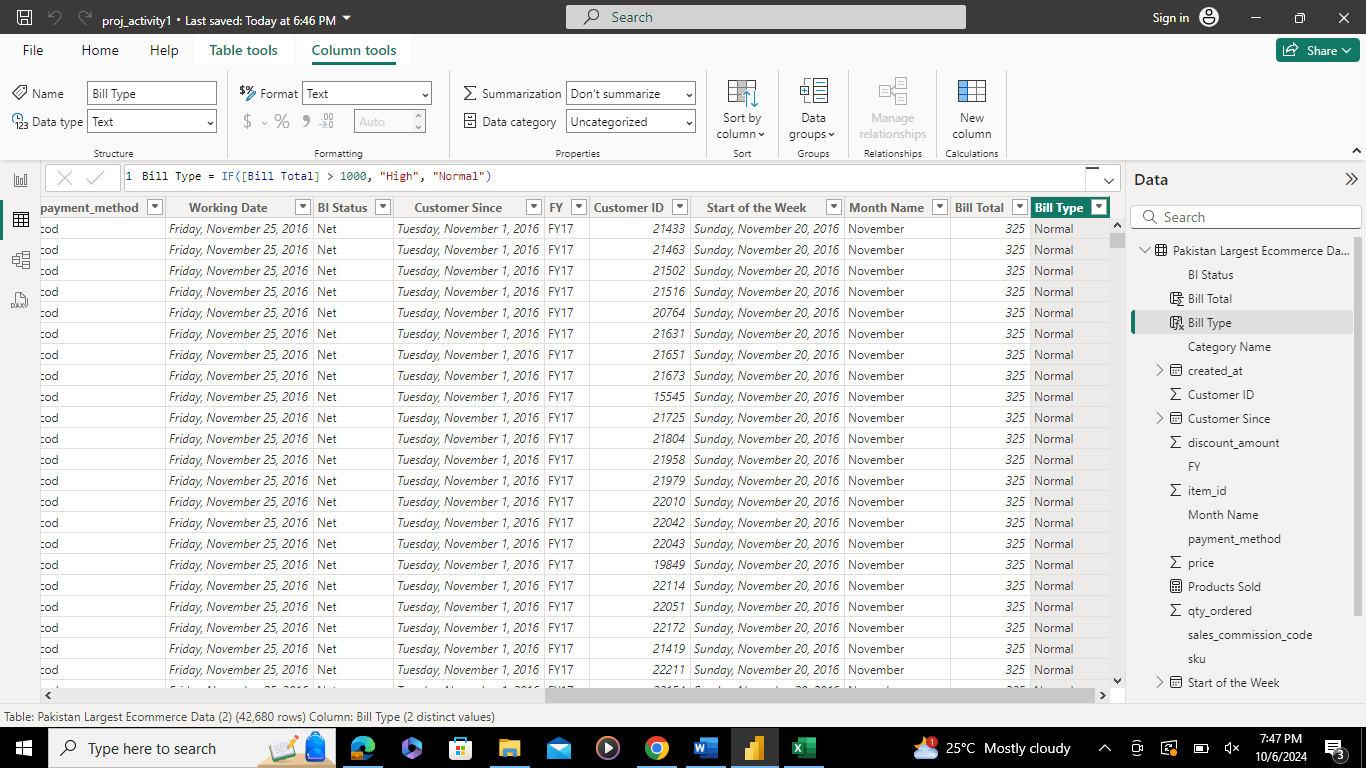


*Activity 2:*

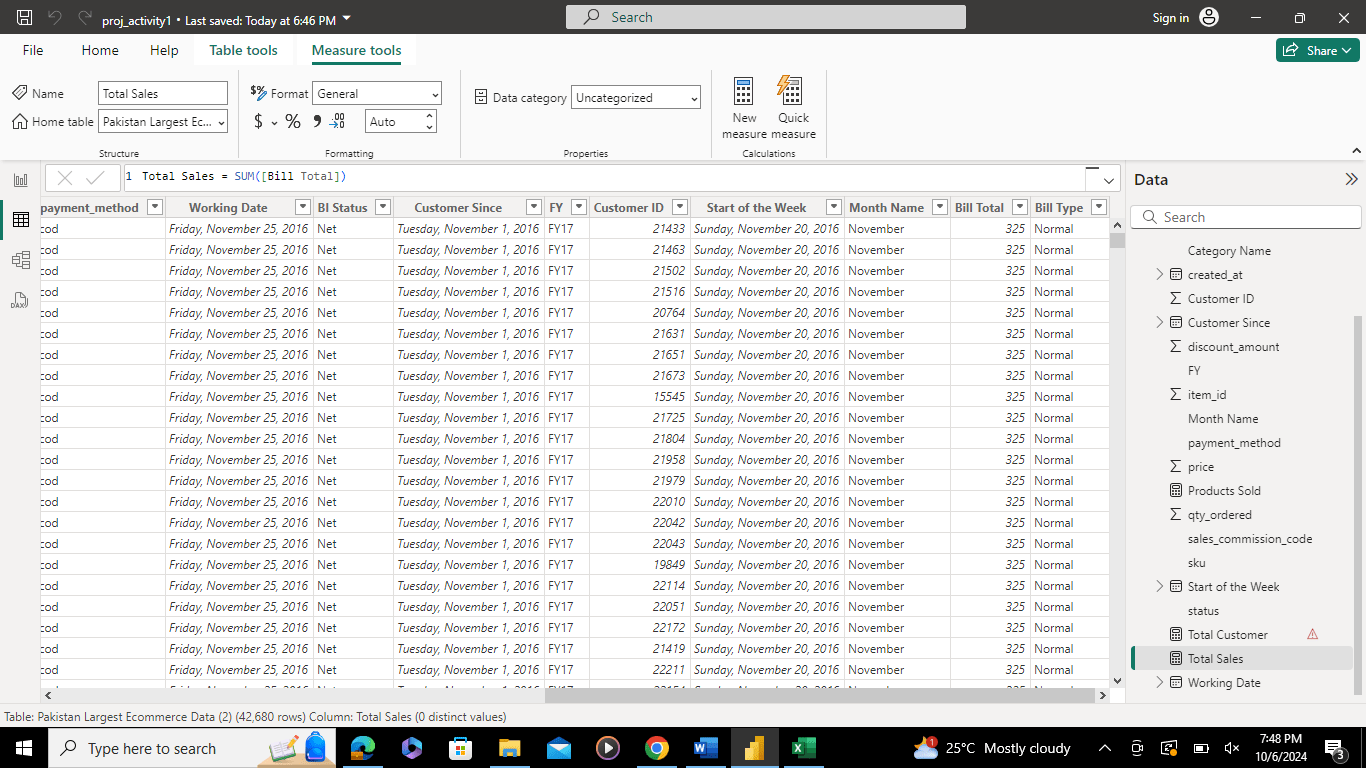
Bill Total Formula:



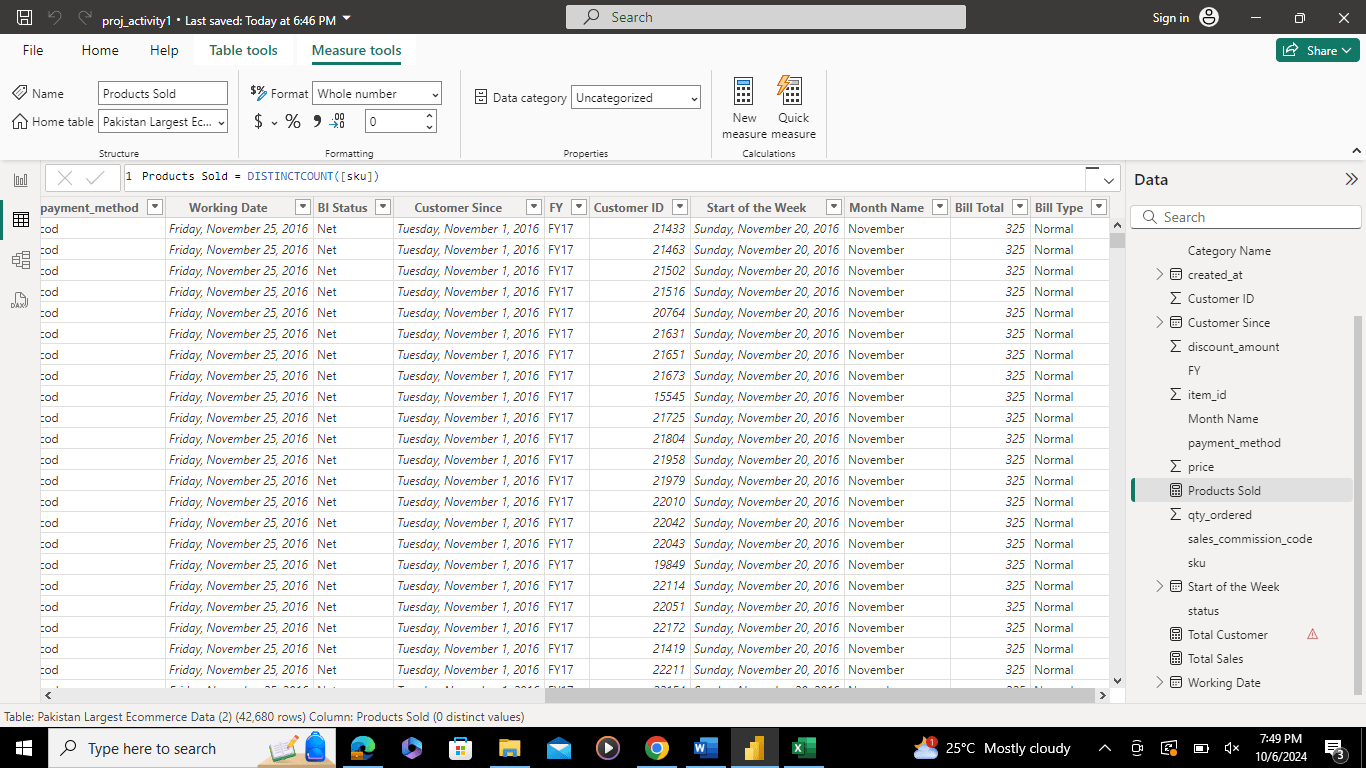
Bill Type Formula:



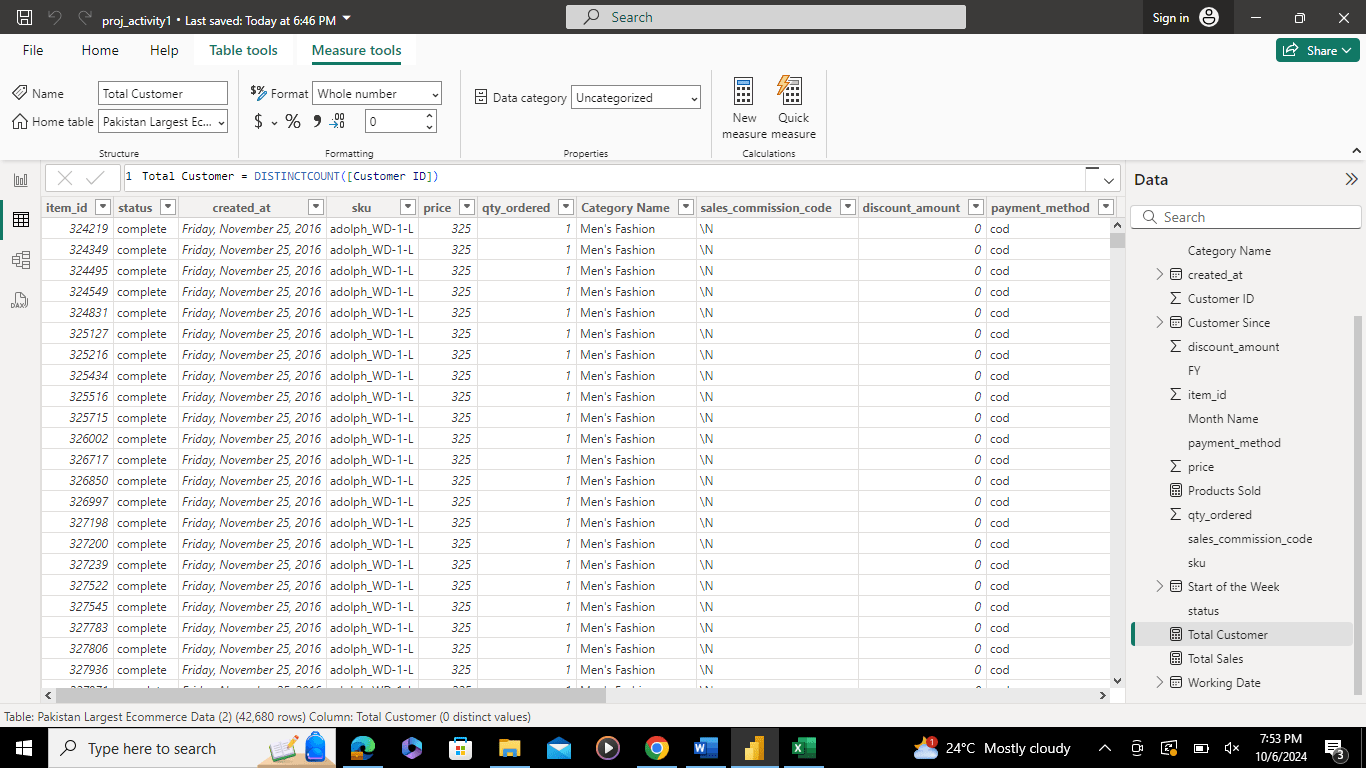
Total Sales Formula:

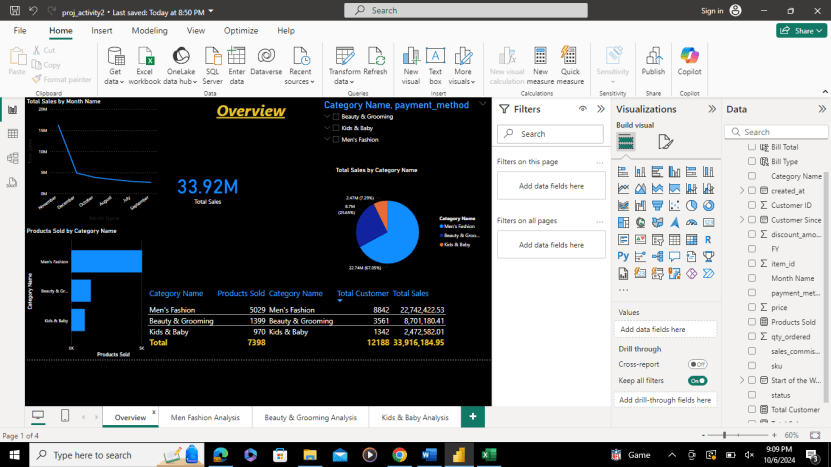


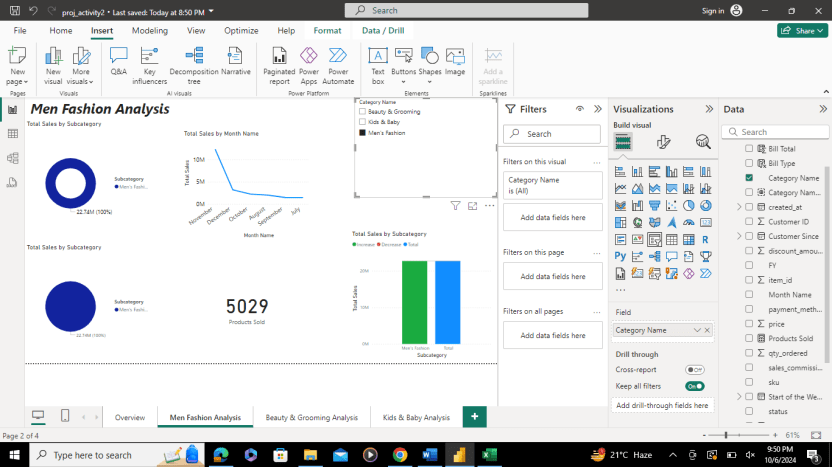
Product Sold Formula:

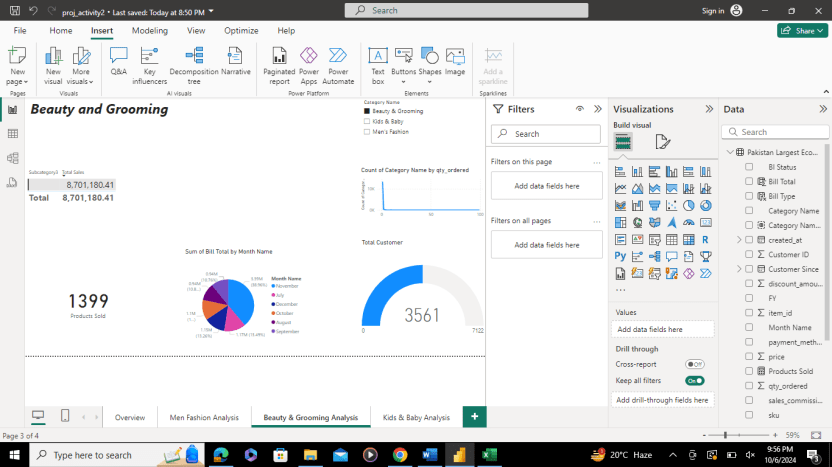


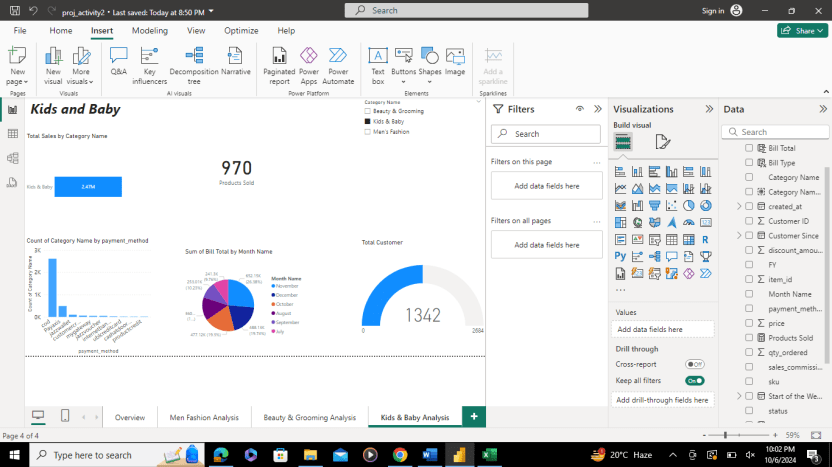
Total Customer Formula:



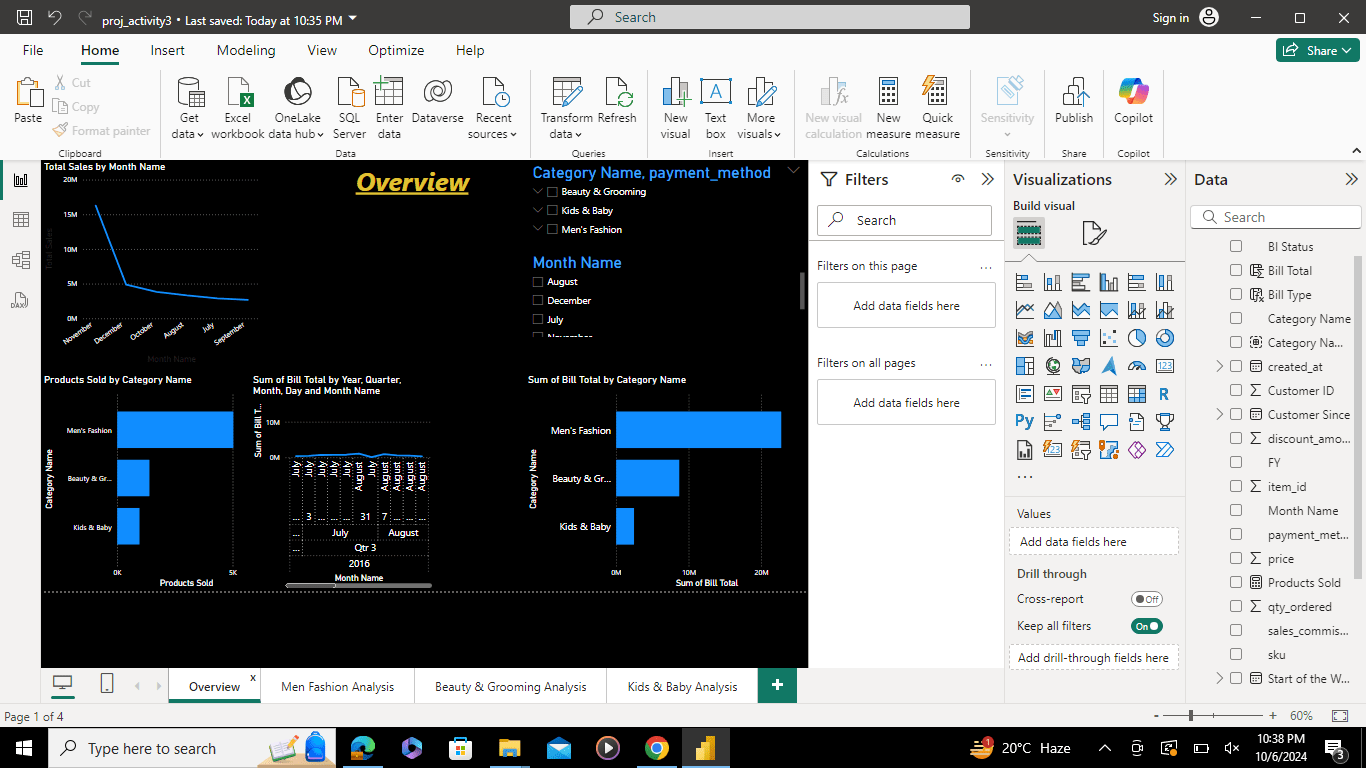


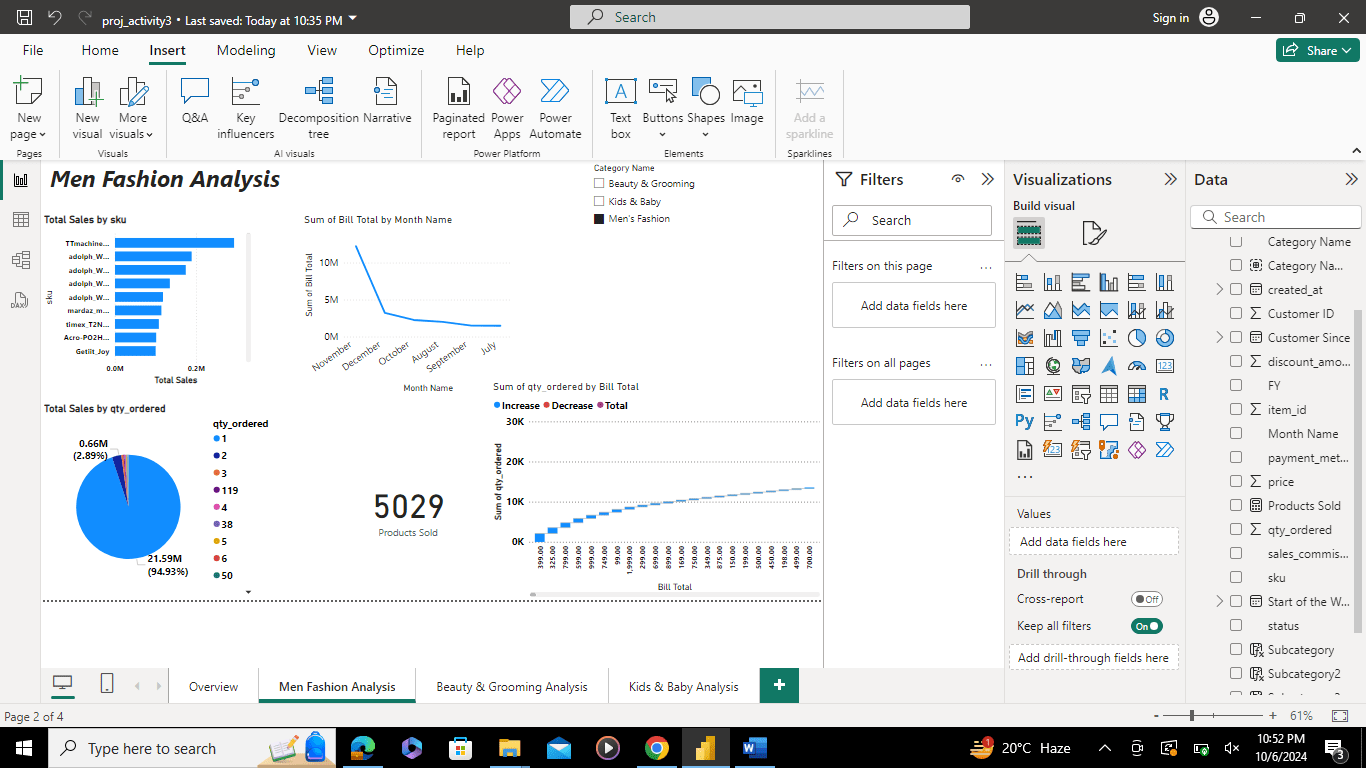


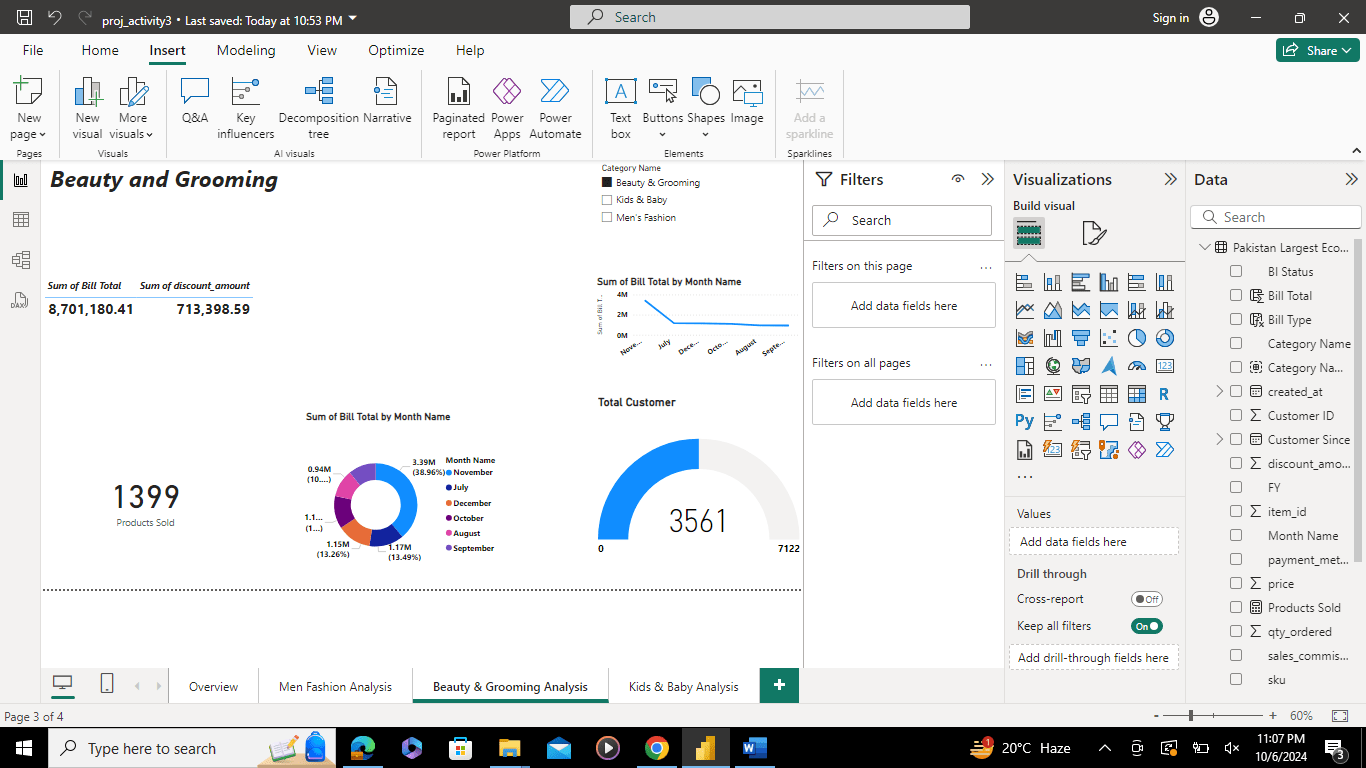


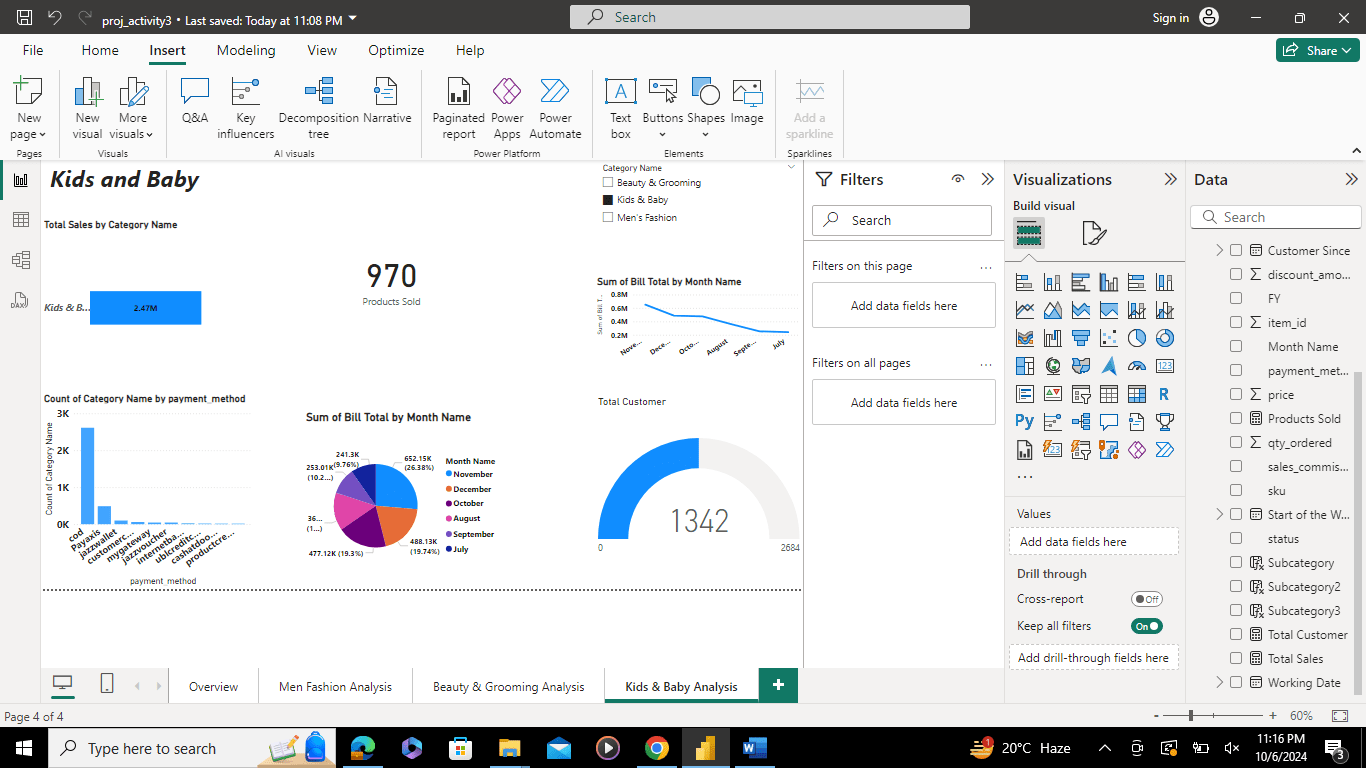


*Activity 3:*



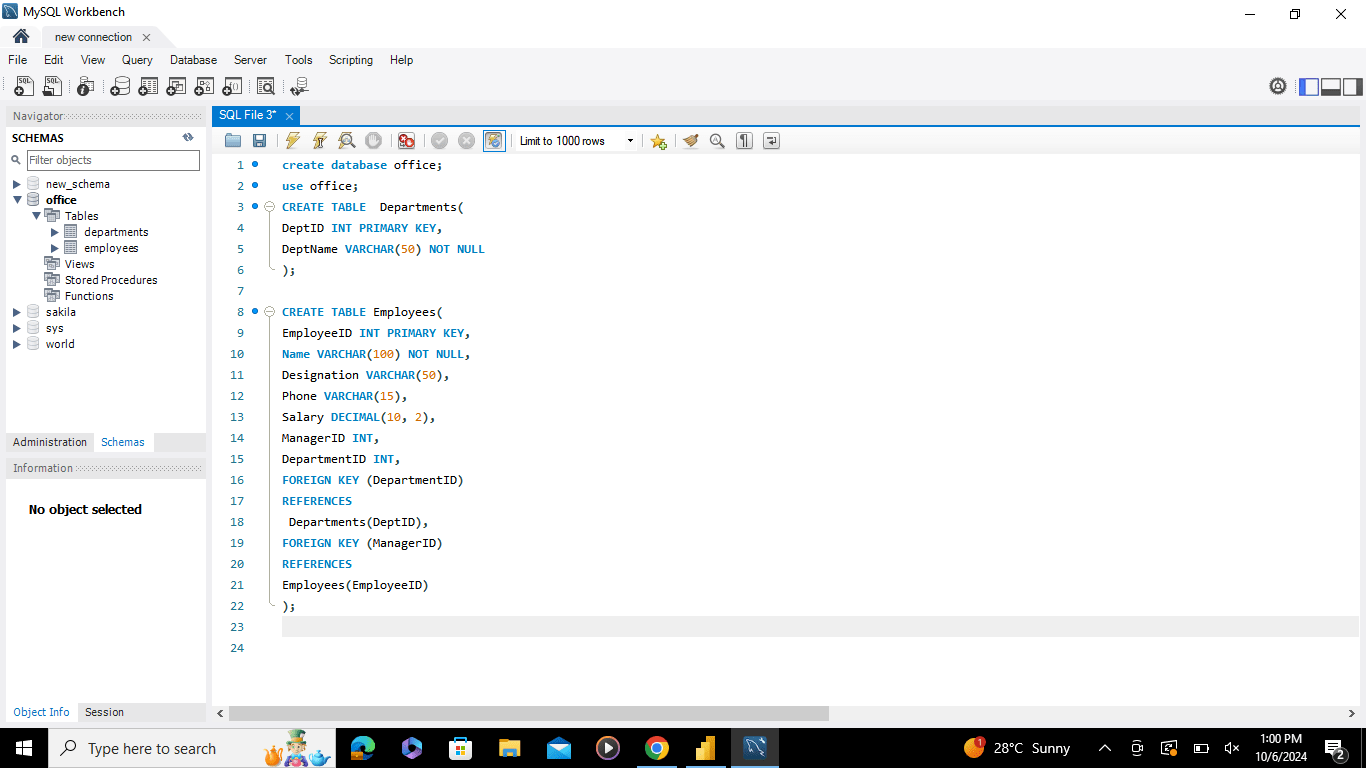




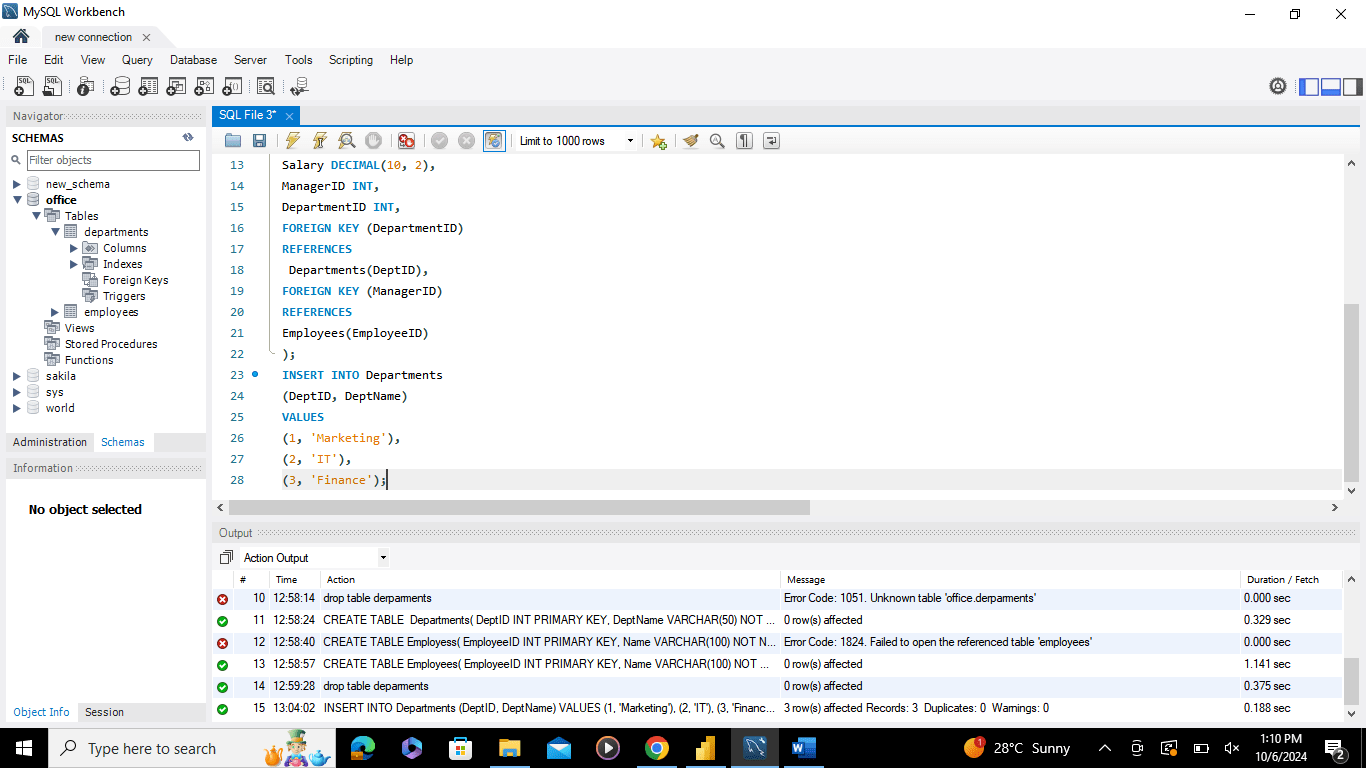


SQL

First of all, Create Database “OFFICE” and add 2 tables named “Departments” & “Employees” in it.

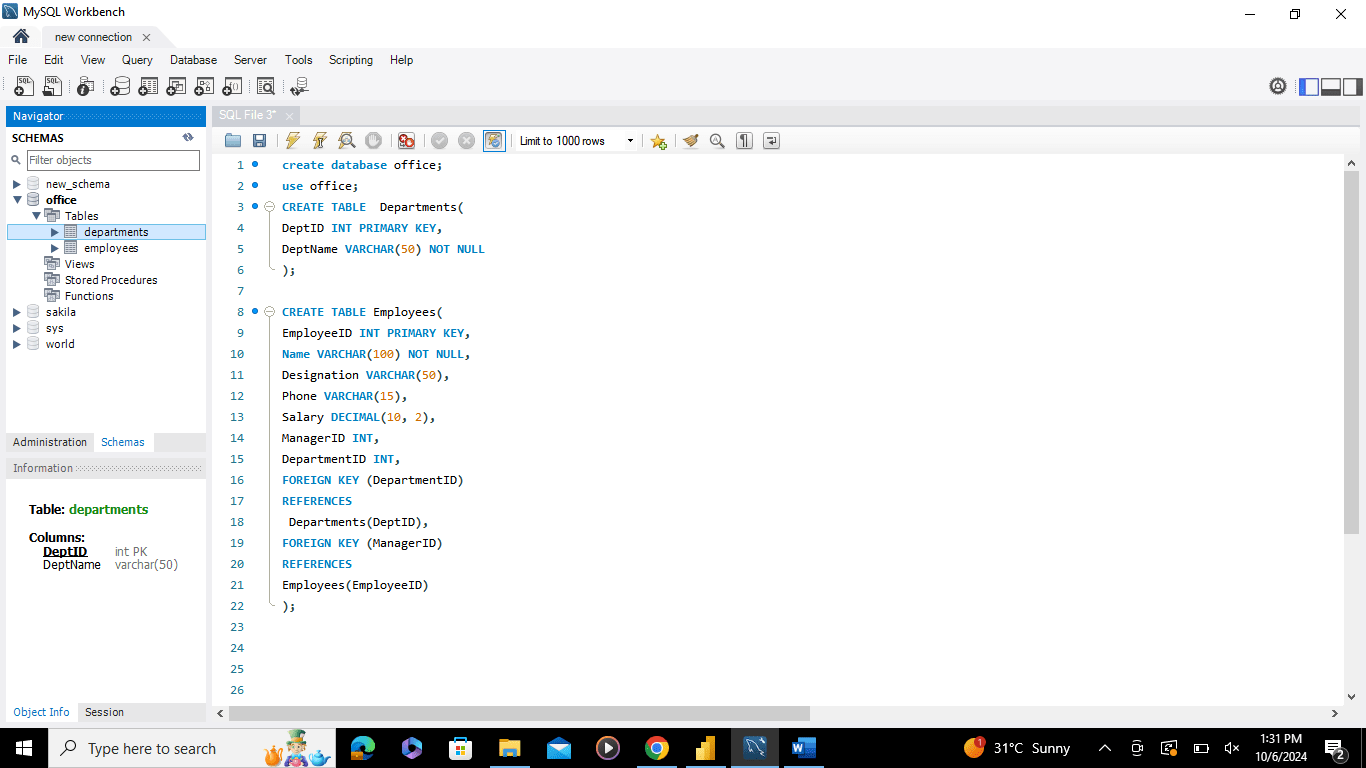


Then insert the data into Departments like Department ID and Department Name.

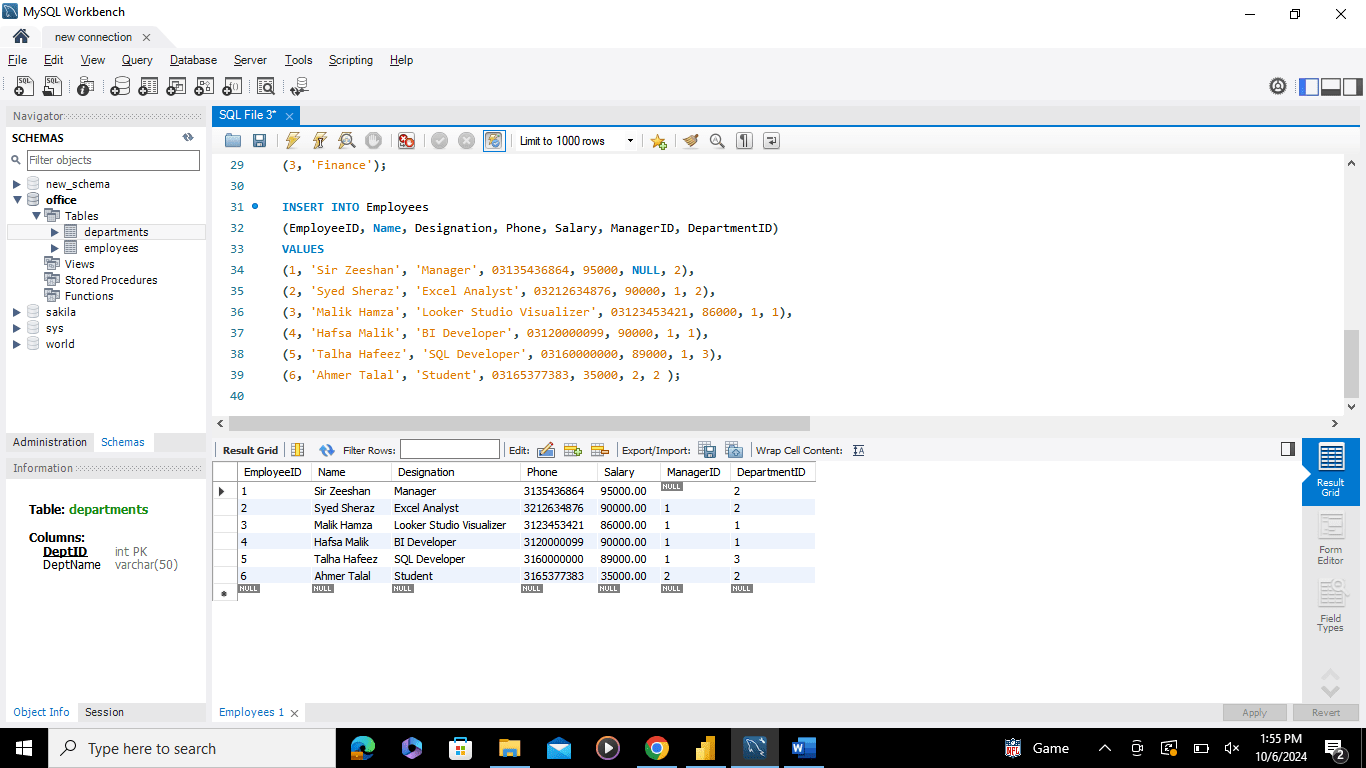


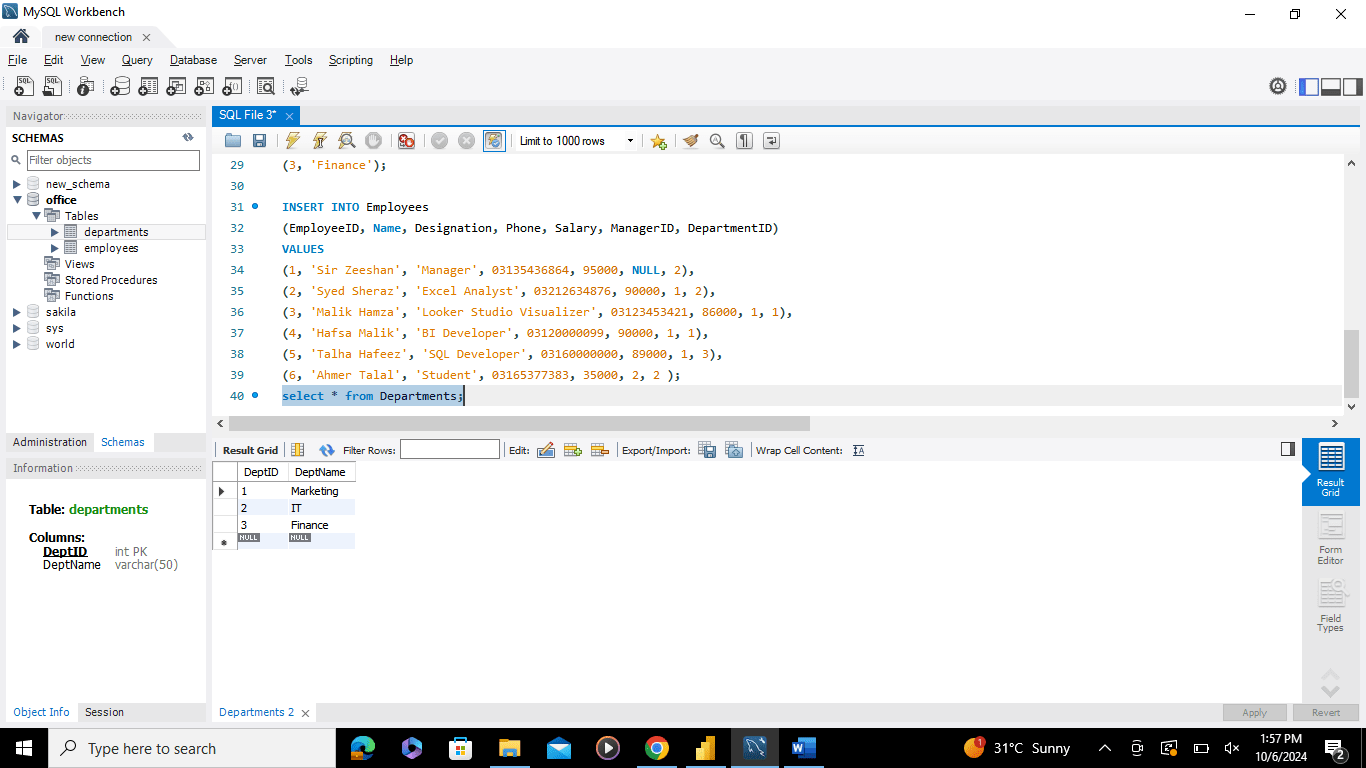
**Questions:**

1. **Write SQL statements to create the Employee and Department table.**

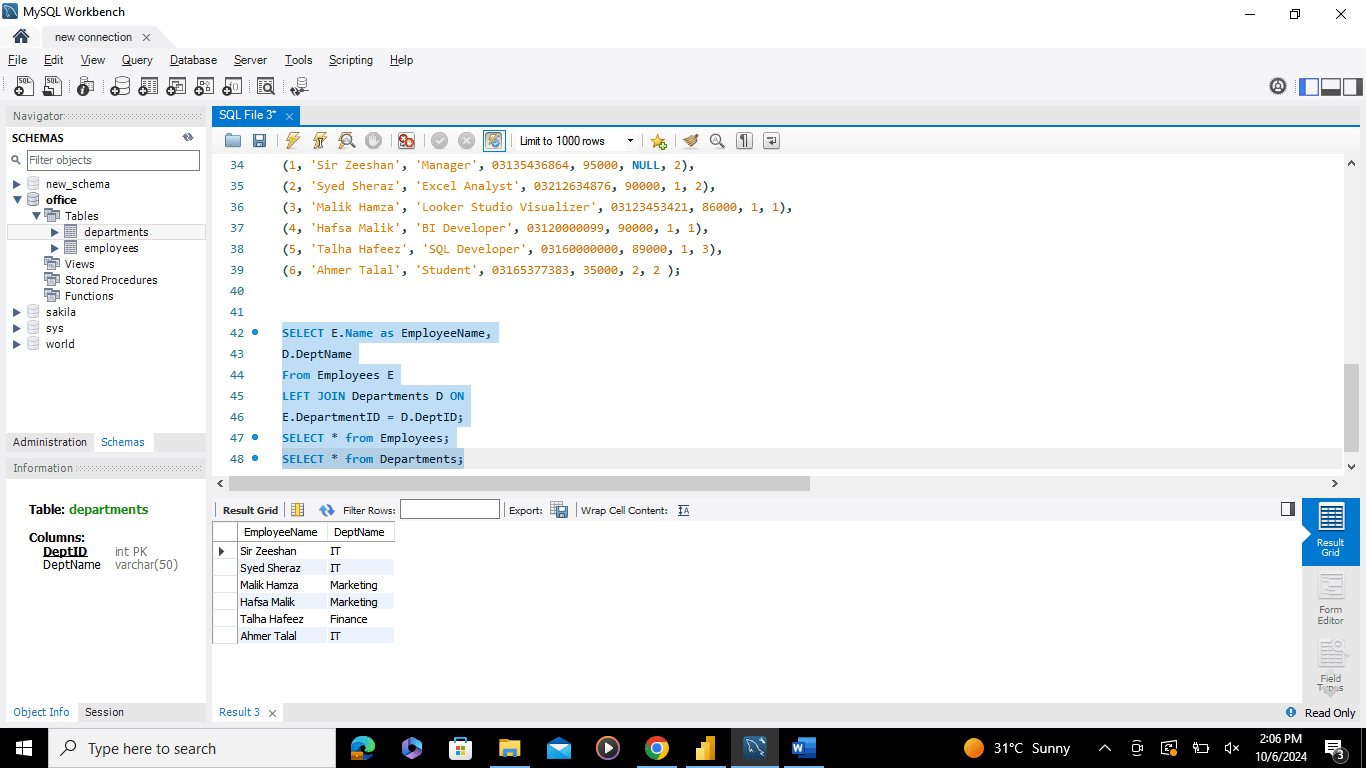


1. **Insert the sample data at least 5-Employees and 3- Departments in the relevant tables. Make sure the data of the employees is about your instructors in the Data Analytics batch and include yourself also as a ‘Student’. As for the managerID, use any instructor as your manager and all instructors must have Sir Zeeshan as Manager. While Sir Zeeshan has no Manager.**

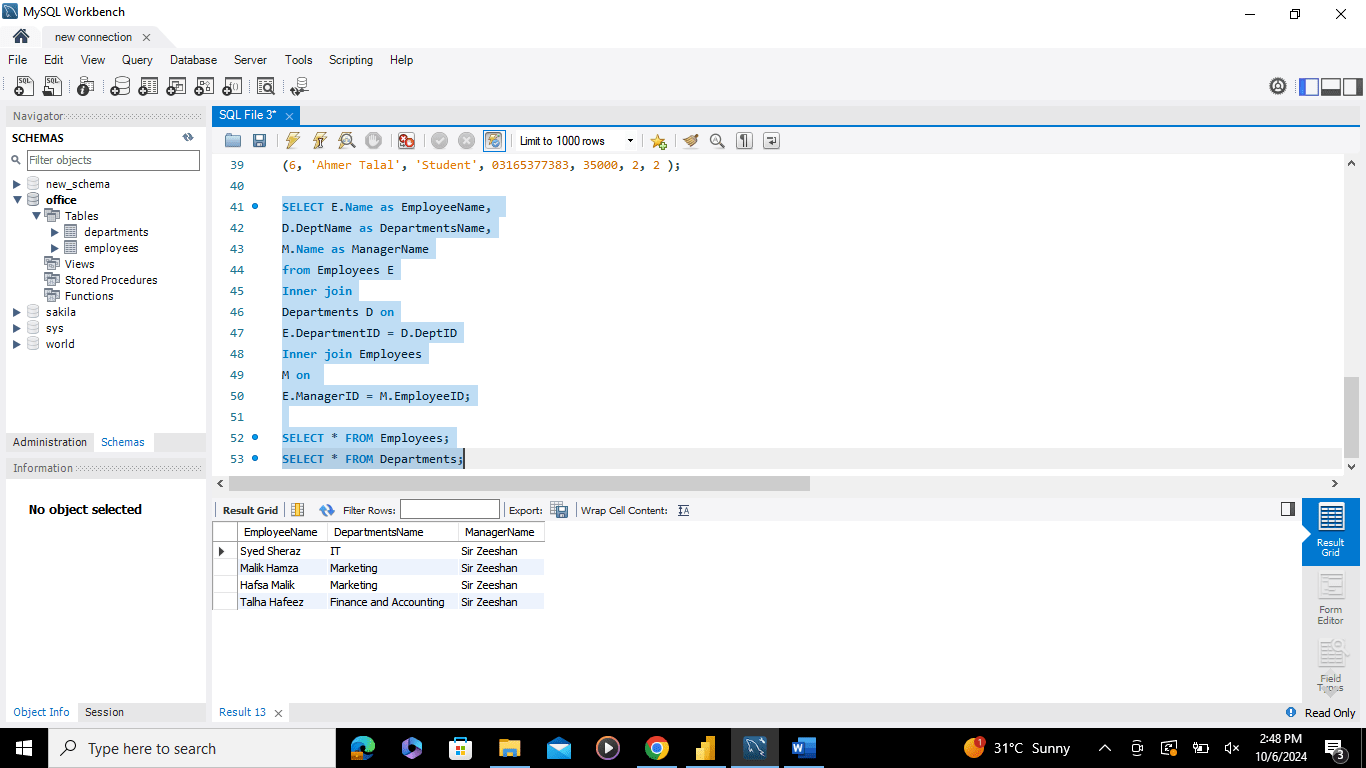




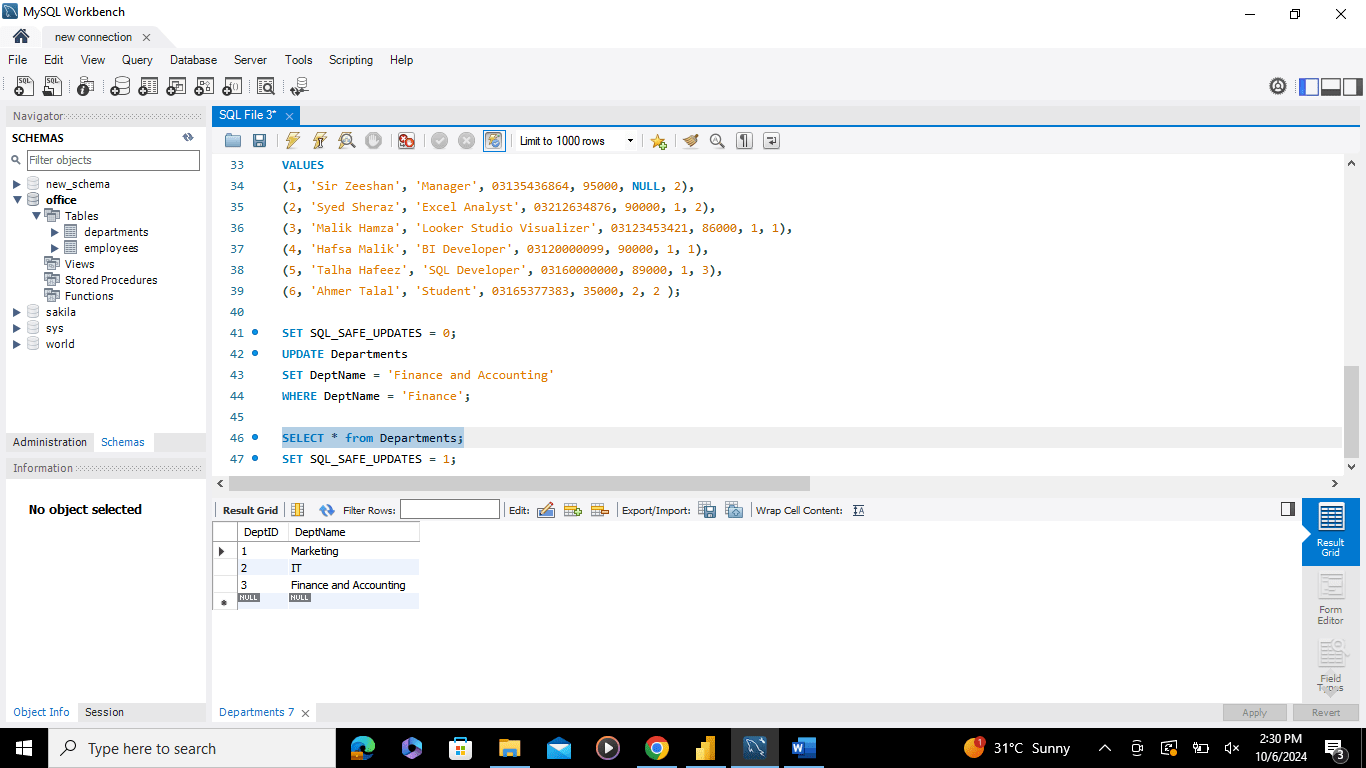
1. **Write an SQL query to display all Employees along with their Department names using a LEFT JOIN.**



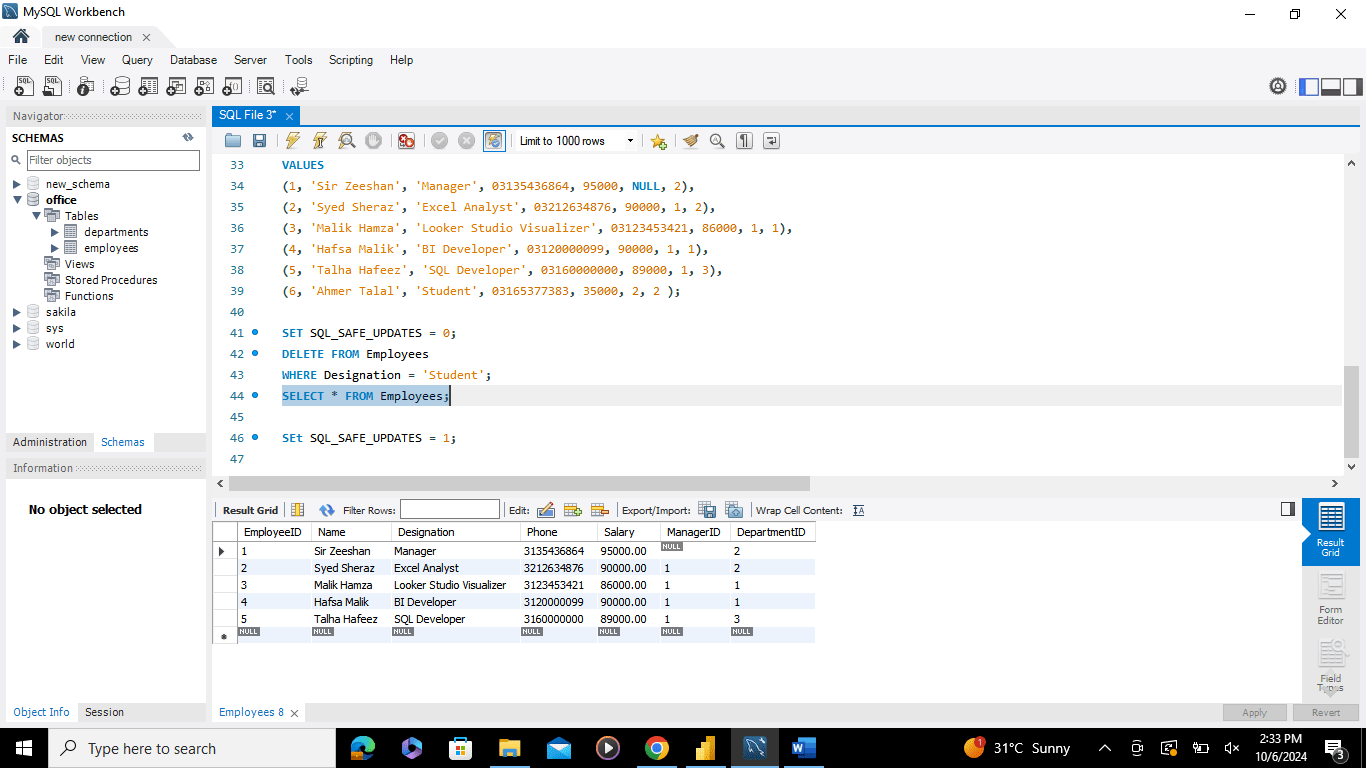
1. **Write a SQL query to get Employee name, DepartmentID (Bonus if fetched name), Manager name using Join.**



1. **Update the Department Name of ‘Finance’ to ‘Finance and Accounting’ in the department table.**



1. **Delete the Employee with the rank of Student from the Employees table.**



1. **Write an SQL query to sum the salary for each department using the SUM function and GROUP BY clause.**

