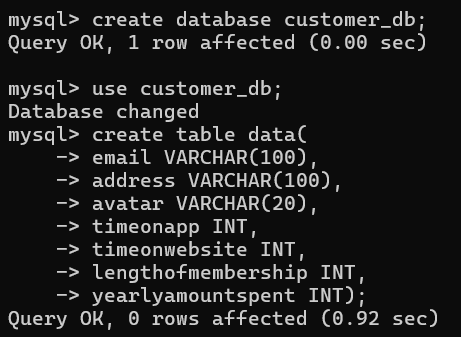
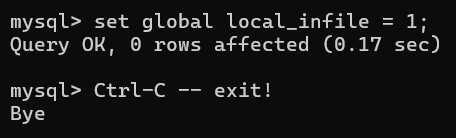
**Task 3: SQL for Data Analysis**

* **Setting-up the Environment in MySql**

**1. Database and Table creation as per data.csv structure**



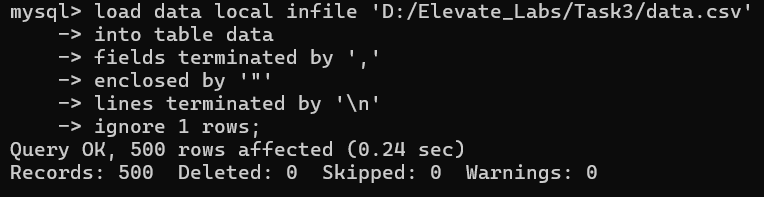
**2. Enable Local File Loading and exit**



**3. Re-login with local file option and load the data**

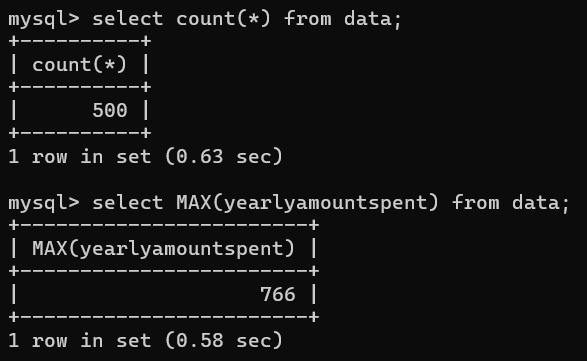
****

****

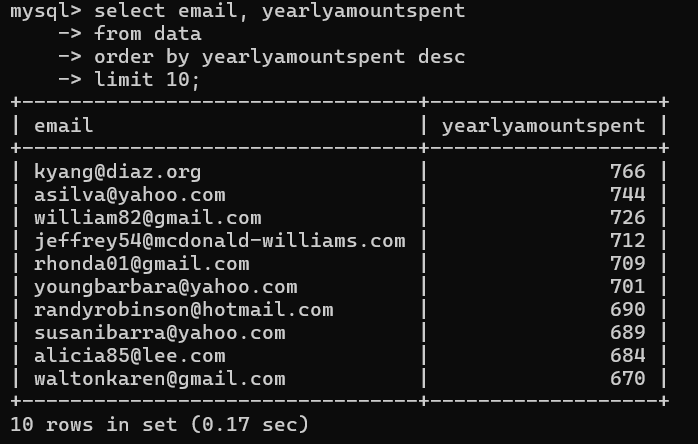
****

* **Start Analyzing the Data**

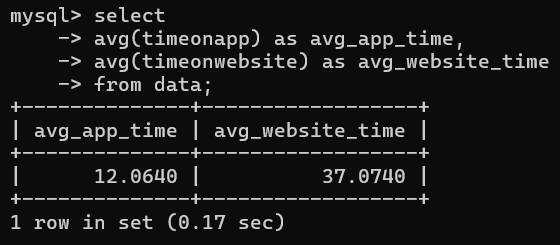
**1.Count of rows and maxing yearly amount spent**

****

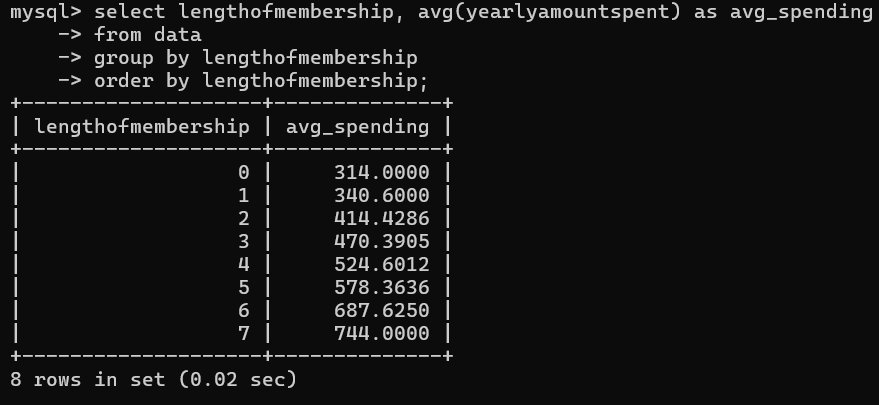
**2. Top 10 Customers by Yearly Spending**

****

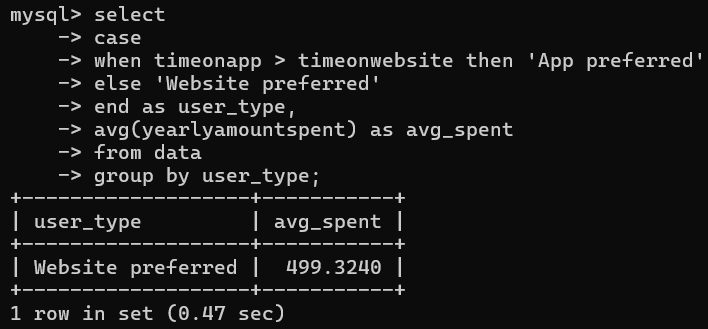
**3. Average Time on App vs Website**

****

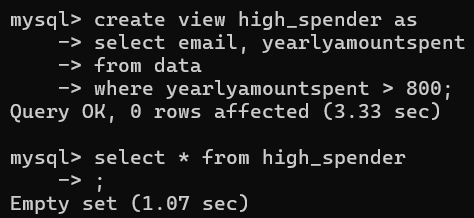
**4. Relationship Between Membership Length and Spending**

****

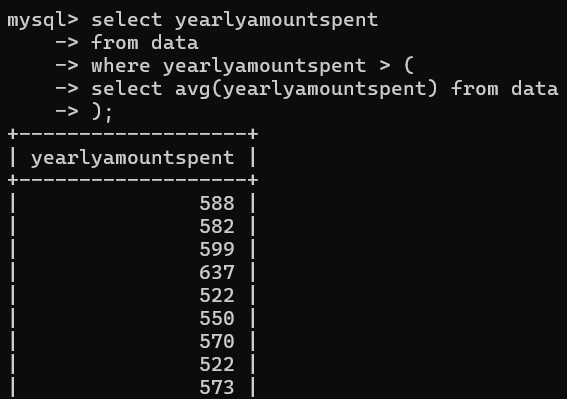
**5. Who Spends More: App Users or Website Users?**

****

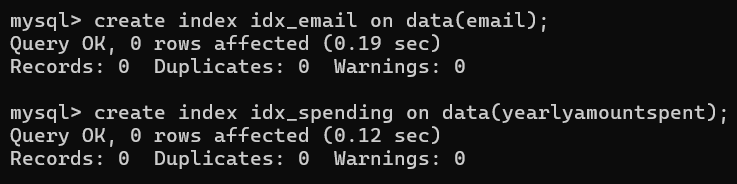
**6. Create a View for Ongoing Analysis**

****

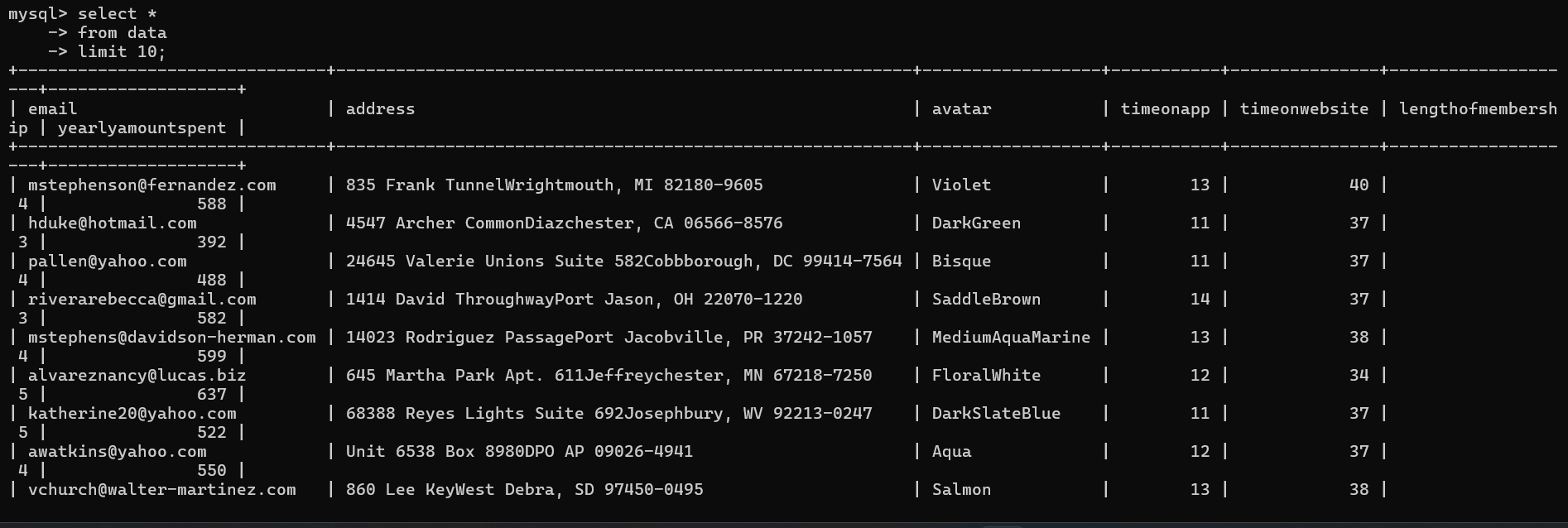
**7. Use a Subquery: Customers Above Average Spending**

****

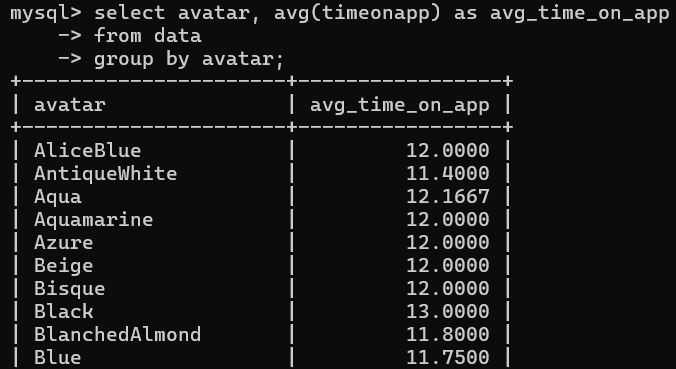
**8. Optimize Queries with Indexes**

****

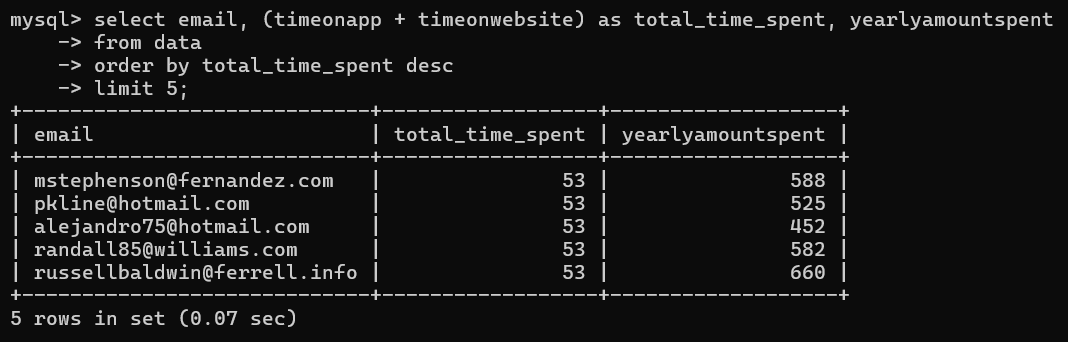
**9. Show full table**

****

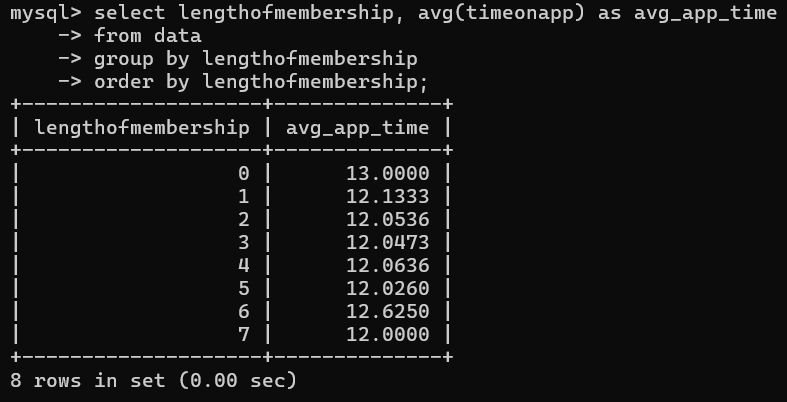
**10. Average time on app based on avatar**

****

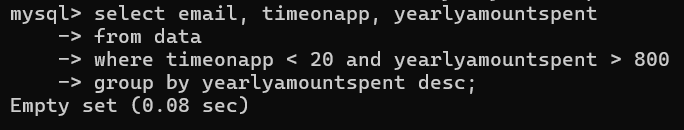
**11. Find the Most Engaged Users (High App + Website Time)**

****

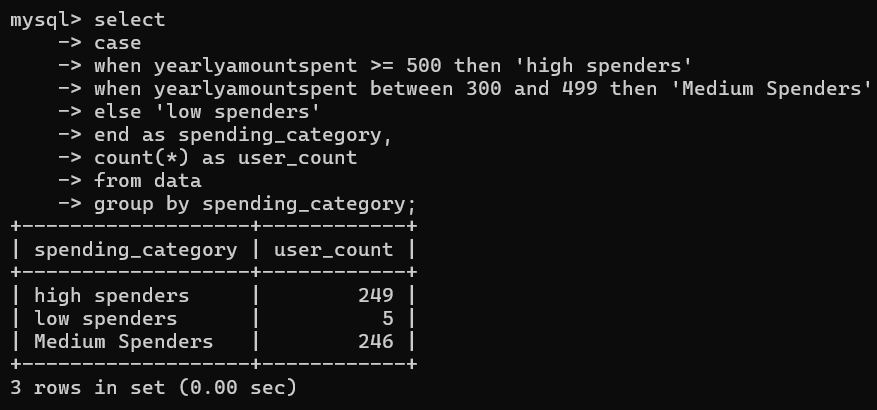
**12. Check If Longer Membership Correlates with More App Time**

****

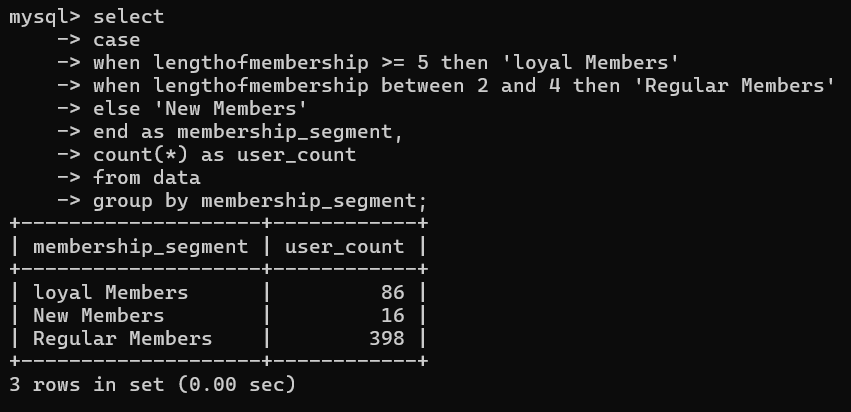
**13. Find Users Spending a Lot Despite Low Time on App**

****

**14. Segment Users into Spending Buckets**

****

**15. Segment Users by Membership Duration**

****