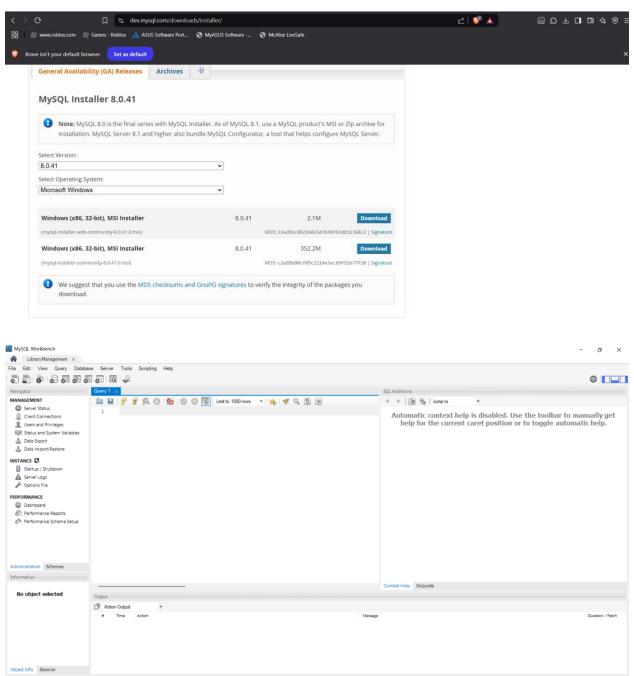
JOHN CARLO S. GUMAOD

Laboratory Activity 1:



Additional Questions/Discussions:

- Why is MySQL popular for DBMS?
 - MySQL is widely used because it is free and open-source, making it
 available to a large number of users. Even for novices, setting it up and
 maintaining it is simple. Both small and large-scale applications can
 benefit from the database's excellent performance and dependability. Its
 versatility comes from its support for several systems, including Windows,
 Linux, and macOS.
- What are the advantages of using MySQL for a library management system?
 - A library management system built with MySQL has a number of benefits. It offers effective data retrieval and storage, which is essential for handling massive amounts of transaction history, member data, and book entries. The system may grow as the library's database does thanks to MySQL's scalability. Additionally, it offers sophisticated queries, which is helpful for locating and classifying books according to different criteria. Membership information and other sensitive user data are protected by MySQL's security mechanisms.

Conclusions:

 In conclusion, installing MySQL and setting up the database involves a straightforward process of downloading MySQL, installing the software, and configuring it to suit your system's needs. After installation, creating a database and setting up user access with appropriate privileges ensures secure and efficient management of data. Proper configuration helps optimize performance and scalability, making the database ready for development and production environments.