1. **What is a database? What is a schema? Compare and contrast.**

A database is a collection of organized data stored electronically on a computer1. The data that is collected and stored is usually stored in tables that consist of rows and tables. Visually we can see something similar in Microsoft Excel or Google Sheets. However, that is a simplistic way of seeing a data in a database.

A schema in a database is the logical and visual representation of the data, which is also columns and rows. The schema describes the organization of the data within a database. The schema also defines the relationship between various tables so programmers can understand and use the data.

1. **What is SQL? How is it used?**

SQL(Structured Query Language) is a programming language used for storing and processing information in a database3. SQL is important because of the power and versatility of of the language. It can be used with other languages in different programs to make those programs more powerful. We probably see SQL being used in databases everyday. Websites, WebApps, use sql and java to fill out forms, make connections, pull and push data. SQL is used by many different professionals, Data Analyst, DB Administrator, programmers, web developers, etc. SQL is very powerful and important to our everyday life.

1<https://www.oracle.com/database/what-is-database/#:~:text=Is%20a%20Database%3F-,Database%20defined,database%20management%20system%20(DBMS)>.

2 <https://www.solarwinds.com/resources/it-glossary/database-schema>

3 <https://aws.amazon.com/what-is/sql/#:~:text=Structured%20query%20language%20(SQL)%20is,information%20in%20a%20relational%20database>.