**SQL Module 1 Challenge Worksheet**

The Challenge Activity for this module asks you to answer the questions below. Use this space to record your responses. Then save and submit this document to Canvas as instructed in your online classroom.

1. What is a database?

A database is a location where large volumes of data is stored.

1. What does a database do?

A database stores large volumes of data in a tabular format.

1. What is a relational database management system (RDMS)?

A relational database management system allows data to be stored and accessed with connected values.

[Insert answer here.]

1. What is one difference between a spreadsheet and a database?

A spreadsheet can have duplicate values whereas a database cannot.

1. What are columns called in a database?

Columns are called fields.

1. What are rows called in a database?

Rows are called records.

1. Do databases house duplicate data?

No.

1. What are the unique ids called in a database?

They are called primary keys.

1. What is SQL?

SQL is Structured Query Language.

1. SQL is what kind of database language?

SQL is a relational database language.

1. What is a query?

A query is a question.

1. What is a statement?

A statement is a complete query in SQL language formatted.

1. When would you want to use SQL?

You would want to use SQL when you want to access data from different tables with a unique identifier that connects them. Combining large datasets based on a common id can allow for analysis of data that cannot be done on Excel.