Exercises

1. What data types do each of these values represent?
   1. "A Clockwork Orange"
   2. 42
   3. 09/02/1945
   4. 98.7
   5. $15.99
2. Explain when a database would be used. Explain when a text file would be used.

A:

1. Describe one difference between SQL and other programming languages.

A:

1. In your own words, explain how the pieces of a database system fit together at a high level.

A:

1. Explain the meaning of **table**, **row**, **column**, and **value**.

A:

1. List three data types that can be used in a table.

A:

1. Given this payments table, provide an English description of the following queries and include their results:

SELECT date, amount FROM payments; SELECT amount FROM payments WHERE amount > 500; SELECT \* FROM payments WHERE payee = 'Mega Foods';

1. Given this [users](http://sqlfiddle.com/" \l "!17/c2d88" \t "_blank) table, write SQL queries using the following criteria and include the output:
   1. The email and sign-up date for the user named DeAndre Data.
   2. The user ID for the user with email 'aleesia.algorithm@uw.edu'.
   3. All the columns for the user ID equal to 4.