Q1: What is a relational database?

A1: A structured set of information that is stored in tables with columns and rows (data fields and records)

Q2: What is a schema?

A2: The overall structure of a particular database and its relations to other databases

Q3: What is a relational database management system (RDBMS)?

A3: Any software that maintains relational databases

Q4: What is structured query language (SQL)?

A4: A computer technology that searches and maintains information within a RDBMS

Q5: Describe a non-relational database. What else would you call this?

A5: A database that stores data without using connections or relations. Also known as NoSQL.

Q6: What major formats does NoSQL come in?

A6: JSON and XML files

Q7: What are the four(4) categories of NoSQL databases?

A7: 1.Document-oriented

2. Column-oriented

3.Key-values stores

4.Graph stores

Q8: Give examples of each NoSQL database category (except graph)

A8:

Document: XML or JSON

Column: First row of excel

Key-Value: Python dictionary

Q9: What is a primary and foreign key? What type of database use them?

A9: A primary key is the identifier for a database. A foreign key is a connecting identifier when looking at relations between tables or databases. Used in relational databases.

Q10: What type of database offers flexibility and scalability?

A10: Non-relational database or NoSQL