1. What are three examples of Data Definition Commands?
   1. Answer: Create Commands

Alter Commands

Drop Commands.

1. Which command is useful for retrieving data from a database?

Answer: Select Command

1. What happens when you write a DELETE statement without specifying the WHERE attribute of such statement?

Answer: If you write a delete statement without specifying a where attribute, SQL removes all the rows from a table.

1. . In your best advice, list any three software/programming languages a data analyst should have in his/her toolkit?

Answer: SQL programming language

Python programming language

R programming language

1. There are key properties that define every column in a table.
   1. What are these column properties?

Answer: Column\_name.

Data\_type.

Column\_constraint.

* 1. How many of these column properties is mandatory?

Answer: 2

* 1. Which of these column properties is optional?

Answer: Column\_constraint

1. What does NoSQL stand for?

Answer: Not only SQL

* 1. What is a Database?

A database is an organized collection of data stored and accessed electronically. Its design spans formal techniques and practical considerations including data modelling, efficient data representation and storage, query languages, security and privacy of sensitive data.

* 1. How does RDBMS differ from other DBMS?

|  |  |
| --- | --- |
| RDBMS | DBMS |
| Stands for relational database management system | Stands for database management system |
| Data are stored in table format | Data are stored in files format |
| Supports distributed database | No support for distributed database |
| Multiple data elements are accessible together | Individual access of data elements |
| Data in the form of a table linked together | No connection between data |

* 1. How does a Database Schema help you as a data analyst?

Answer: For a Data Analyst, database Schema allows for easy navigation of data structures in other to conduct valuable business analysis and reporting, through the design known as Data Modelling.