W1D1 Assignment:

1. Briefly discuss
   * 1. Data

Any fact or figures collected through observation or measurement, for the purpose of reference or analysis.

* + 1. Database

Is an organized or structured collection of related data.

* + 1. Database management system

Is a software that manages and controls access to and operation of , a database.

* + 1. Database application program

Is any computer program that interacts with a database at some point during its execution.

* 1. Describe the main characteristics of data approach and contrast it will the file-based approach.
  2. What are the five component of DBMS environment and how are they related to each other?
  3. dreamHome
     1. main object that need to be represented in the database?
     2. What relationships do you think exist between these main objects?
     3. For each of the objects, what details do you think need to be stored in the database?
     4. Give at least 3 queries you think will be required.

1. Perform the following tasks?
   1. Obtain and install the MySQL
   2. Complete the following tasks
      1. Start MySQL database server
      2. Launch and perform
         1. MySQL JS > \status

A picture containing application

Description automatically generated

* + - 1. MySQL JS > \connect root@localhost

Text

Description automatically generated with medium confidence

* + - 1. MySQL JS > \sql

Text

Description automatically generated with medium confidence

* + - 1. MySQL localhost:33060+ ssl SQL > show databases;

Text

Description automatically generated with medium confidence

* + - 1. MySQL localhost:33060+ ssl SQL > use world

Text

Description automatically generated

* + - 1. MySQL localhost:33060+ ssl SQL > show tables;

Text

Description automatically generated

* + - 1. MySQL localhost:33060+ ssl SQL > desc country;

A screenshot of a computer

Description automatically generated with medium confidence

* + - 1. MySQL localhost:33060+ ssl SQL > desc city;

A screenshot of a computer

Description automatically generated with medium confidence

* + 1. Carefully examine the schema/specifications for both the table named, country and the one named, city. Is there any relationship(s) between the two tables? Yes or No? If yes, describe the relationship(s) which you can identify.
    2. Launch open the MySQL Workbench GUI tool and take a screenshot of it.

Graphical user interface, text, application

Description automatically generated