**ACD\_Session10\_Assignment2**

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| Assignment : |
| Define Database |
| What is DBMS? |
| What are the various kinds of interactions catered by DBMS? |
| Segregate database technology’s development. |
| Who proposed the relational model? |

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# Database Concepts

## 1. Define Database

A structured set of data held in a computer, especially one that is accessible in various ways.

A prearranged collection of figures known as data is called database.

## 2. What is a DBMS?

* Software program that enables the creation, definition and management of databases. DBMS is actualy a tool used to perform any kind of operation on data in database. DBMS also provides protection and security to database
* Computer software application that interacts with the user, other applications, and the database itself to capture and analyze data. A general-purpose DBMS is designed to allow the definition, creation, querying, update, and administration of databases

Examples:

Microsodt SQL Server Management Studio

MySQL Workbench

Oracle SQL Developer

Squirrel SQL

MS Access

## 3. What are the various kinds of interactions catered by DBMS?

* Data Definition:
* Update
* Retrieval
* Administration

## 4. Segregate database technology’s development.

The development of Database technology is divided into:

* Structure or Data Model
* Navigational Model
* SQL/Relational Model

## 4. Who proposed the relational model?

The relational model (RM) for database management is an approach to managing data using a structure and language consistent with first-order predicate logic, first described in 1969 by Edgar F. Codd. In the relational model of a database, all data is represented in terms of tuples, grouped into relations.