1. Security of data must be ensured

Easy data management

Easy data manipulation

Less redundancy

They must be consistency

1. this is when any instance of an entity might participate in a relationship
2. “An entity set has partial participation in a relationship”

This can be explained thus.

The participation of an entity set A in a relationship set B is Partial if ONLY some entities in A participate in relationship B.

1. Data definition language (DDL); Schemas define data held in a database. Data definition language specify database schema for example, if we are to create a table in a database.

Assuming we are creating a table **Customer**

Create table Customer(

 CustomerID int,

 FirstName varchar(255),

 Address varchar(255),

City varchar(225),

);

Data manipulation language (DML): as the name implies, these are used to manipulate and adjust or change data in a database.

It include the retrieval, Insertion, deletion e t c of data.

For example if we have a table “customer”;

|  |  |  |
| --- | --- | --- |
| ID | Name | City |
| 1 | ABC | Lagos |
| 2 | DEF | Ibadan |

If we want to perform a delete operation we say;

DELETE FROM Customer where

Name= 'ABC';

5. Entities: student computer courses



