**Elements of database System**

The structure of the records in a database can be specified by using different types of data elements.

Database has mainly four elements

Data

Relationship

Constraints

Schema

1.Data: Data is a piece of information. It consists of names, figures, numbers etc.

2. Relationship: Relationship is a mapping of association between data elements. Example Relations

or tables in a database.

3. Constraints: Constraints are used to maintain the accuracy or correctness of data in the database.

Constraints means restrictions or conditions.

Example: Enrolment number of a student should not be empty.

4. Schema: Schema means design or structure. To create or store data we need structure. There are

basically, three types of schemas

1. Internal schema or physical level

It describes how the data are actually stored on the database medium.

2. Conceptual Schema

It describes what data are actually stored in the database. It also describes the relationship among

data.

3. External Schema or view level

This is the level closest to the users and is concerned with the way in which the data are viewed by

individual users