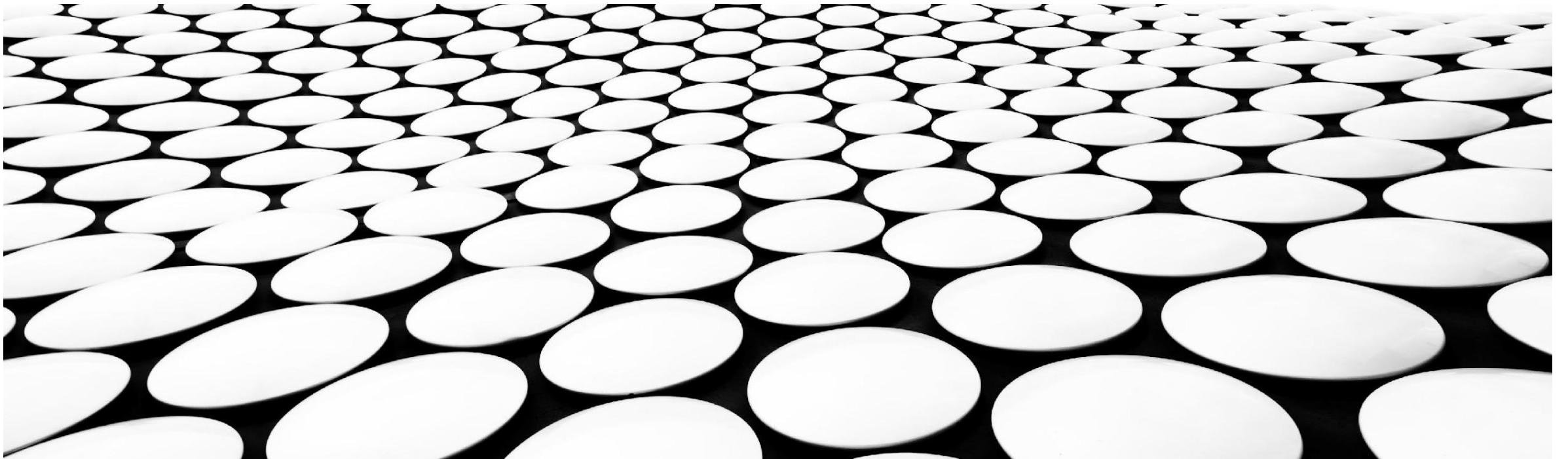# ADVANCED DATABASE MANAGEMENT SYSTEM

CREATED BY :

MD. FORHAD HOSSAIN

Cont…

- Parent-child type is suited for One-to-many relationship between two entities.
- But difficult to implement many-to-many relationship.

  e.g.:

  IMS system from IBM.

b. Relational Database Model

- Simplest and the most common model.
- Developed in 1970 by E.F. Codd, it became commercial in the 80s.
- Data elements are stored in different tables made up of rows and columns.

Roll No	Name	Surname	Section
1001	Rajkumar	Tomar	D
1002	Rajkumar	Singh	D

Cont…

- Terminologies:
  - Data Values: alphanumeric raw data (Rajkumar)
  - Columns: fields (item or object that holds the data)
  - Rows: record (a group of data for related field)
  - Table: collection (all records & fields)
  - Key: identifier (uniquely identifies a row in the table. It can be value of a single or multiple column.

  e.g.:

  DB2, ORACLE, SQL Server.

Roll No	Name	Surname	Section
1001	Rajkumar	Tomar	D
1002	Rajkumar	Singh	D

Thank You!