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### 1)Normalization:

- It is a process of splitting the database into multiple tables so that we can reduce redundancy and improve data integrity.
- Dividing single table into a multiple tables with the some reference column.

### 2)Why data modelling?

- Remove unnecassary row and columns
- Group by and summarize.
- Optimize column datatypes.
- Use custom columns.

### 3) Dimension.

- Dimension table will contain unique categorical data.

### 4)Fact:

- Fact tables will have measurable or quantitative data.

### 5)Model creation:

- Cardinality is the relationship between 2 tables in a data model .
- It is defined by 4 types.

1. 1 to 1

2. 1 to Many

3. Many to 1

4. Many to Many