1...Explain Normalization and the usage?

- Process of organizing the database to avoid

  * Data redundancy

  * Anomalies (insertion, update & deletion)

- It commonly used to

*** Eliminate redundant data** to decrease table sizes and improve processing speed & efficiency

*** Minimize errors and anomalies** from data modifications (inserting, updating or deleting records)

*** Simplify queries** and structure the database for meaningful analysis

2...Explain Data Table Types ?

There are two types of data table in a data model

1…*Lookup (Dimension) tables:*

They provide descriptive, often text-based attributes about each dimension in a table.

2..Fact (Data) tables:

They contain number or values, with ID or "key" columns that can be used to create table relationships.

3...What is Primary key and Foreign Key ?

1...Primary Key :

*Uniquely identifies each row in table.
*Only one primary key is allowed in a table.
* Available only in the lookup table

2..Foreign Key :

* A Column or group of columns in a relational database table that provides a link between data in two tables.

* More than one foreign key is allowed in a table.

* Available only in data table.

4…Explain Table Schema ?

A table schema is a named schema for a set of Query Tables that completely defines the structure of those Query Tables, and ensures that all Query Tables in the set are identically defined. A table schema includes the table structure of a Query Table, as well as its primary index and secondary indices (if any)

You can turn on schema view by selecting Schema view in the View tab.