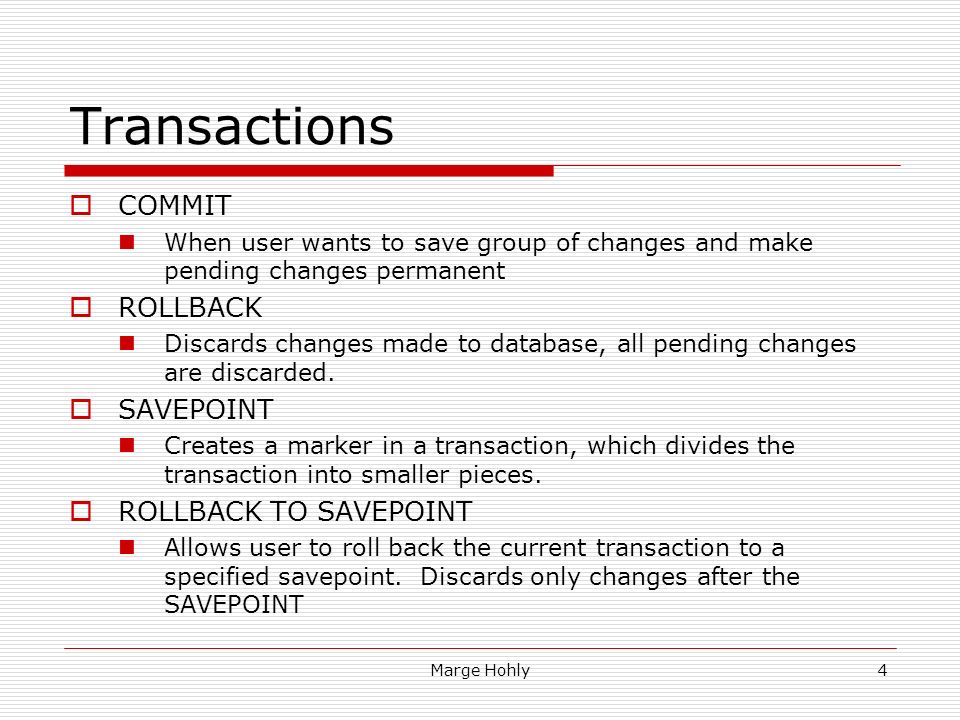
**Date:** 18- Sep-2020

**What is meant by Transaction?**

It is process which all of the data modifications was successfully updated to the Database. The Process includes Committing Transactions and Rollback the process.

If a Transaction encounters errors, we can able to rollback the transactions



**Why We Need dbContext?**

It represents a session with the database which can be used to query and save instances of our entities to a database.

**DbContext** is a combination of unit of work and repository patterns.

**Why we need Entity Framework?**

It is an ORM and ORM are aimed to increase the developer’s productivity by reducing the redundant task of persisting data used in the applications.

**Entity Framework** can generate the necessary database commands for reading or writing data in the database and execute them for you.

**What is the Purpose of ORM?**

An Object – Oriented relational mapper **(ORM)**  is a code library that automates the transfer of data in relational database tables into objects that are commonly used in application code.

**What is meant by Relational DataBase?**

It organizes data into tables which can be linked – or related – based on data common to each. It stores data in Structured Format As Rows and Columns. The Term “**Relational”** Means tables are related to each other.

**Why ORM?**

ORMs help to reduce the **Object-**Relational impedance mismatch. They allow you to store and retrieve full live **objects** from a relational database without doing a lot of parsing/Serialization self.

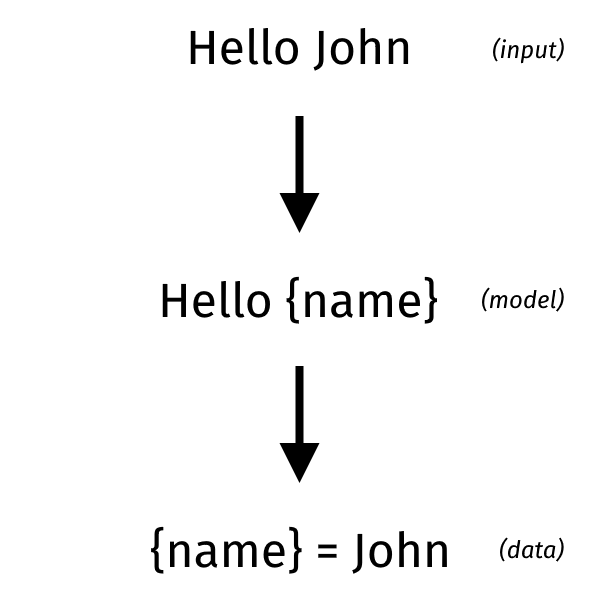
**Date:** 19- Sep-2020

**What is meant by Parsing?**

The Process of Turning some kind of data into another kind of data. It always turning a string, or binary data into a data structure inside your program.

The Parser builds a Data Structure based on the tokens. This data structure can be used by a compiler, interpreter or translator to create an execute program or library.

Parsing is a compiler that is used to break the data into smaller elements coming from lexical analysis phase. A Parser takes input in the form of sequence of tokens and produces output in the form of phase tree.



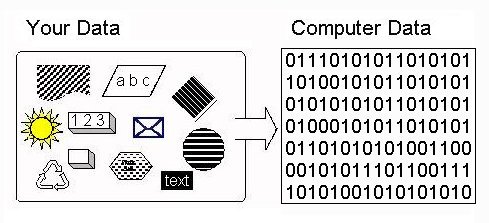
**What is meant by Serialization?**

The Process of converting an **object** into a **stream** **of** **bytes** to store the **object** or **transmit** it to **memory**, a **database**, or a **file**. Its main purpose is to **save** the **state** of an **object** in **order** to be able to recreate it when needed. The **reverse** **process** is called **deserialization**.



**What is meant by Binary Data?**

The data whose unit can take on only two possible states, traditionally labelled as 0 and 1 in accordance with the binary numeral system and Boolean Algebra.



**Date:** 22- Sep-2020

**What is Isolation in SQL Server?**

**Isolation** level is nothing but locking the row while performing some task, so the other transaction can not access or will wait for the current transaction to finish the job.

**Date:** 23 - Sep-2020

**What is meant by Viewport (CSS)?**

The **viewport** is the user’s visible are of a web page. The **viewport** varies with the device, and will be smaller on a mobile phone on a computer screen. Before Tablets and mobile Phones, web pages were **designed** only for computer screens, and It was common for web pages to have a static design and a fixed size.

