WEEK 7(Sep. 9th to 13th):

***XAMPP*** is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. It bundles essential components like Apache, MariaDB, PHP, and Perl, providing a complete local web server environment.

XAMPP stands for:

**X:** Cross-Platform (works on Windows, macOS, and Linux)

**A:** Apache HTTP Server

**M:** MariaDB (formerly MySQL)

**P:** PHP

**P:** Perl

What is SQL?

* SQL stands for Structured Query Language
* SQL lets you access and manipulate databases

Most of the actions you need to perform on a database are done with SQL statements. SQL statements consist of keywords that are easy to understand.

The CREATE DATABASE statement is used to create a new SQL database.

The DROP DATABASE statement is used to drop an existing SQL database.

The BACKUP DATABASE statement is used in SQL Server to create a full back up of an existing SQL database.

The CREATE TABLE statement is used to create a new table in a database.

The DROP TABLE statement is used to drop an existing table in a database.

The ALTER TABLE statement is used to add, delete, or modify columns in an existing table.