Name:Roaa taiseer ahmed jouda

Difference between Framework and Library

A library is a collection of pre-written code that developers can call to perform common tasks, giving them control over the flow of the program.
A framework, on the other hand, provides a structure where the framework itself controls the flow and calls the developer's code when needed.

Difference between Compiler and Preprocessor

A preprocessor runs before the compilation process. It handles tasks like macro expansion, file inclusion, and conditional compilation.
A compiler translates source code into machine code or intermediate code after preprocessing is done.

Difference between TypeScript and JavaScript

JavaScript is a dynamically typed scripting language that runs directly in browsers.
TypeScript is a superset of JavaScript that adds static typing and compiles to JavaScript for execution, making code more robust and maintainable.