**Dynamic vs Static Typing**

In programming, **static typing** means that the type of a variable is known at compile time, as opposed to runtime.

JavaScript is a **dynamically typed** language, meaning that types are determined during execution. This can lead to errors that are only caught when the code runs, which can be problematic in larger apps.

TypeScript introduces **static typing** to JavaScript. This allows developers to specify types for variables, function parameters, and return values, which can catch errors before JS runtime.