TypeScript Fundamentals

Getting Started with TypeScript



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Overview



Introduction to TypeScript

Tools

Hello World!

Installing TypeScript in a project

Building

Get the code

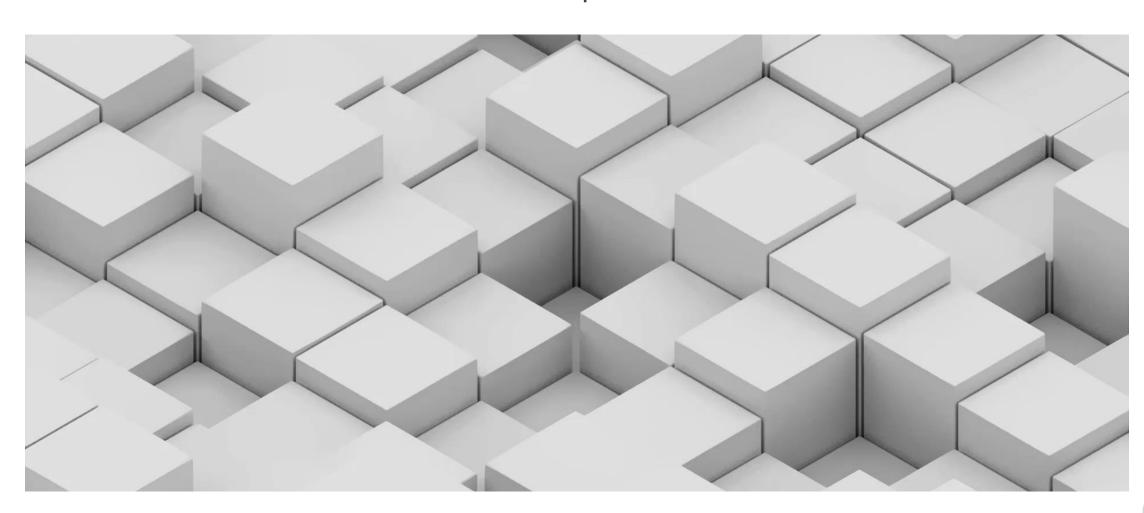
Debugging



Introducing TypeScript



Dependable, Reliable, and Consistent JavaScript Code



Why TypeScript?



JavaScript, with guard rails



The future, today



Detect more errors at during development



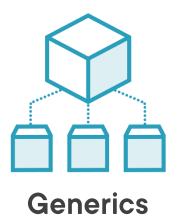
Enhanced tooling

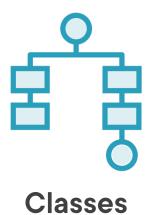




Key Features

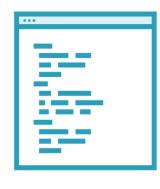












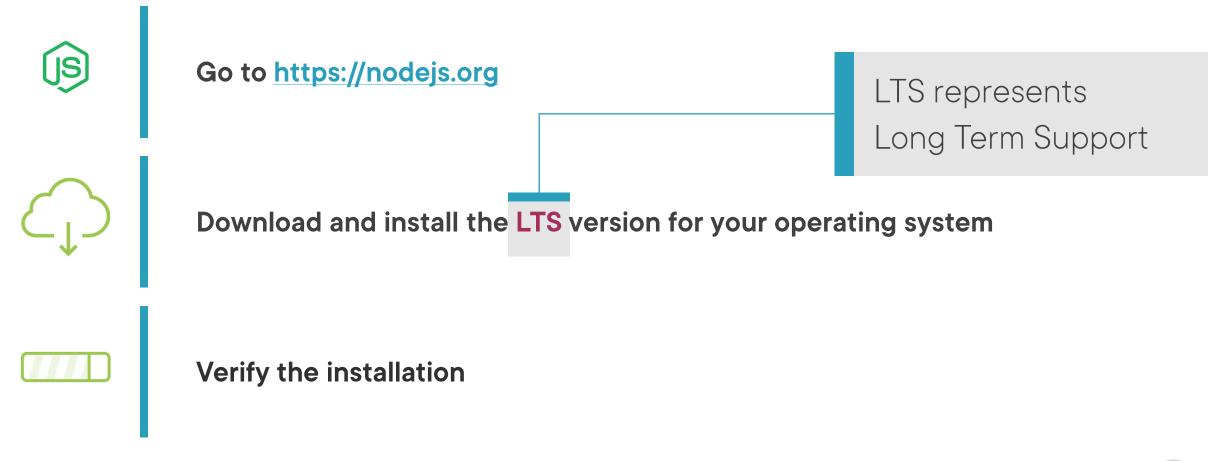




Tools



Installing Node.js







▶ node --version

14.17.5

Node LTS

✓ Check your version



Recommended Editor



https://jpapa.me/ps-ta-code







Parameter hints



Go to definition or symbol



Peek



Renaming



Tips



Hello World with TypeScript



Installing TypeScript



Building



Get the Course Code



Debugging



Summary



Using TypeScript allows you to use latest features

TypeScript compiles to JavaScript

Install Node.js

Install TypeScript

Configure tsconfig.json

Visual Studio Code

Debugging

