TypeScript: Getting Started

INSTALLING TYPESCRIPT AND CONFIGURING A PROJECT

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Overview

Course overview

MultiMath demo app

Installing TypeScript

Running the compiler

Configuring a project with tsconfig.json

Course Overview

Taking Advantage of Built-in Types

Writing Better Functions with TypeScript

Creating and Using Custom Types

Creating and Consuming Modules

Being More Productive with Type Declaration Files

Demo

Demo project overview

Demo

Installing TypeScript and running the compiler

TypeScript Project Files

Simple JSON text file named tsconfig.json

Stores compiler options used with the project

Specifies files to be included or excluded in compilation

Supports configuration inheritance

Adding Compiler Options to tsconfig.json

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tsconfig.json

```
1  {
2      "compilerOptions": {
3          "target": "es5",
4          "noUnusedLocals": true,
5          "outFile": "output.js"
6      },
7      "files": [
8          "app.ts"
9      ]
10 }
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Demo

Configuring compiler options in tsconfig.json

Demo

Configuration inheritance and glob support in tsconfig.json

Demo

Compiling with Webpack

Summary

TypeScript website

Installation with npm

Compiler options

Project configuration with tsconfig.json

Compiling with Webpack

Up Next:
Taking Advantage of Built-in Types