Getting Started with TypeScript

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

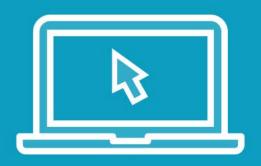
Taking Advantage of Built-in Types

Writing Better Functions with TypeScript

Creating and Using Custom Types

Creating and Consuming Modules

Being More Productive with Type Declaration Files



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



```
★ tsconfig.json ★
           "compilerOptions": {
                "target": "es5",
                "noUnusedLocals": true,
                "outFile": "output.js"
            "files": [
                "app.ts"
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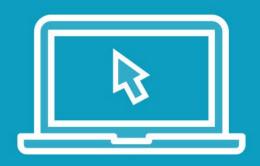
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Configuring compiler options in tsconfig.json





Configuration inheritance and glob support in *tsconfig.json*





Compiling with a Visual Studio Code build task



Summary



TypeScript website

Installation with npm

Compiler options

Project configuration with tsconfig.json

