

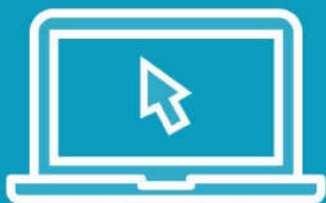
Summary



Discover and use different compiler options

Configure projects with `tsconfig.json`

Demo



Compiling a TypeScript project using a
tsconfig.json file

Structure of tsconfig.json

```
{  
  "compilerOptions": {  
    "target": "es5",  
    "outDir": "js"  
  },  
  "exclude": [  
    "node_modules",  
    "lib"  
  ]  
}
```

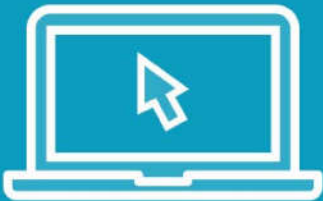
Structure of tsconfig.json

```
{  
  "compilerOptions": {  
    "target": "es5",  
    "outDir": "js"  
  },  
  "files": [  
    "app.ts",  
    "classes.ts"  
  ]  
}
```

Role of tsconfig.json

- Marks the root of a TypeScript project**
- Specifies TypeScript compiler options**
- Specifies files to include in the project**

Demo



Running the compiler and using different compiler options

Common Compiler Options

--module

--m

--moduleResolution

--target

--t

--watch

--w

--outDir

--noImplicitAny

Specifying Compiler Options

Command line (tsc)

Options inside an IDE

Build tasks

Inside tsconfig.json file

Overview



Compiler options

- Common options
- Discovering available options

Creating projects with *tsconfig.json*

- Specifying compiler options
- Listing files to include or exclude