TypeScript

Setup

Installation

Globally Install - npm i -g typescript Transioncompile - tsc <filename.ts> Install tsconfig.json - tsc -init

Tsconfig.json

```
/* Modules */
target: compilation version
rootDir: starting point

/* Emit */
outDir: compiled files stored
"removeComments": true, remove comments when compiling to JS
"noEmitOnError": true, if there any error compiler will stop

After configure tsconfig.json can compile code using: tsc
"noImplicitAny": true,

"noUnusedParameters": true, this show warning when we are not using param inside the function

"noImplicitReturns": true, if we are not return anything, warning
"noUnusedLocals": true,
```

Debugging

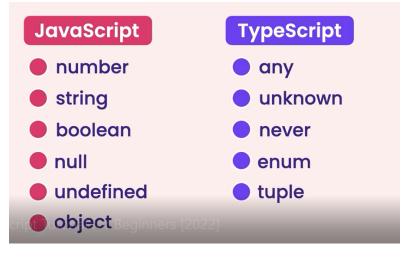
```
"sourceMap": true, Say how each line of code infile.ts map to the file.js
```

Create launch.json file and add line preLaunchTask

```
{
    // Use IntelliSense to learn about possible attributes.
    // Hover to view descriptions of existing attributes.
```

Fundamentals





Best Practises

- When assign values to array make sure to assign one data type. Then compiler can understand the type of variables
- When creating function annotate the return type
- Declare with type (without assiging)
 - o Variable
 - Array
 - Parameters

Object are static, not dynamic such as JS