

TypeScript is Typed JavaScript. TypeScript adds types to JavaScript

Nor node

.ts & .tsx is the extension for TypeScript

TypeScript is a programming language and a powerful compiler.

TSC(TypeScript Compiler )is used to compile TypeScript file(.ts) transpile to pure JS(.js).

Pros: More Robust | Easily spot Bugs | Predictability | Readability | Popular

Cons: More code to write | more to learn | required compilation | not true static typing

# Type Annotation

let name: string = 'John';

let age: number = 25;

let active: boolean = true;

compile: tsc TS\_Filename.ts | tsc TS\_Filename

To continuous monitor the changes tsc \_--watch TS\_Filename.ts

tcs --init for configuration file

document.getElementByID(‘’)!;

! make sure it always return a value and never be the null.