TypeScript

This is scripting lang, super set of java script.

<https://www.typescriptlang.org/>

npm installation types

1. Local installation (will be installed in the current folder) npm install <pkg/moodulename>
2. Global installation (will be installed in Appdata/npm folder) npm install -g <pkg/module\_name>

Global installation location

C:\Users\Siva\AppData\Roaming\npm

Tsc – typescript compiler ( .ts 🡪 .js)

Javac – java compiler (.java 🡪 .class)

Node – javascript runtime environment (you can run js code outside the browser using node)

Node – chrome v8 engine + libraries

Typescript

1. Typed super set of java script
2. Strongly typed lang

Datatypes in Typescript

1. Static
   1. Built-in
      1. Number
      2. String
      3. Boolean
      4. Void
      5. Null
   2. User defined

1.2.1) class

1.2.2) interface

1.2.3) arrays

1.2.4) enum

1.2.5) tuple

1.2.6)functions

1. Generics
2. Decorators

${empName} - EL Syntax (Expression Lang)

Type Assertion --- type casting <>

Type Inference – automatically getting the type from the assigned value

Type Annotation – assigning the type of variable using (:datatype)

Optional parameter ?

Default parameter =

Rest parameter …

Arrow functions --- Fat Arrow function =>

()=>{}; --- anonymous in-line function