# JavaScript

EcmaScript

core/ simple-standard for JavaScript

Typescript

Type (numbers/string..) superset of JavaScript

To writing safer and bug free code

### TRANSPILER (e.g. typescript)

ES6 were not support by all browser

ES6 ES5

TRANSPILER

## Start

1. Install node.js
2. Install typescript globally
   1. npm install typescript -g
3. within project create tsconfig.json
   1. tsc –-init ( tsc= tsCompiler, --init= create initialization)
4. add “compileOnSave” to tsconfig.json

  "compileOnSave": true,

  "compilerOptions": {

"outDir": "./Out",                        /\* Where to save the .json \*/

     "sourceMap": true,

1. press ctrl+shift+B then select tsc: watch

(now in the compile you can see the errors when save)

### To Run

node Out/First.js

or link this with html then run

<script type="text/javascript" src="First.js"></script>

## ES6 features