**Lesson04 TypeScript Introduction**

**\*TypeScript**

**1-TypeScript :- SuperSet of JavaScript , which means that it’s improve version of javascript and reduce the size of code and added new features on it ,**

**2-TypeScript not framework is just SuperSet of JavaScript**

**3-The extension of TypeScript is .ts and the type script compiles the type script to javascript code**

**4-The TypeScript espically Ecma 6 have multiple benefites such as**

**A-Static Typing**

**B-Modules**

**C-Object Oriented Programming**

**D-Constatns**

**5-The TypeScript installed with using npm and the npm installed on the node.js**

**6-you can make function and set parametere on it**

**7-you can make compile and detect bugs**

**On the website** [**https://www.typescriptlang.org/docs/handbook/typescript-in-5-minutes.html**](https://www.typescriptlang.org/docs/handbook/typescript-in-5-minutes.html) **, you can see the steps of installing Type Script by 2 way**

**1-Via npm (the Node.js package manager)**

**2-By installing TypeScript’s Visual Studio plugins**

**Visual Studio 2017 and Visual Studio 2015 Update 3 include Typescript by default. Notes:- the beauty of using Type Script is that it’s occur Type Script as Programming language not scripting language For NPM users:**

**> npm install -g typescript**

**We have the Full Tutorial Discussion inside the folder Typescript Tutorial**