# TypeScript Introduction

* 1. Two ways to install
     1. Node.js
     2. Visual Studio plug-in
  2. Final output is always JavaScript.
  3. Code snippet

function greeter(person) {

return "Hello,” + person;

}

var user = "Jane User";

document.body.innerHTML = greeter (user);

* 1. Compiling .Ts file

The file can be compiled in two ways.

* + 1. tsc Main.ts
    2. Using visual studio.

# Kick start to TypeScript

* TypeScript Superset of JavaScript
* Class Inheritance can be implemented
* Provides accusers and annotation

**Code snippet**

function greeter(person: string) {

return "Hello, " + person;

}

var user = "Jane User";

document.body.innerHTML = greeter(user);

**Note**: Type annotations in TypeScript are lightweight ways to record the intended contract of the function or variable.

function greeter(person: string) {

return "Hello, " + person;

}

var user = [0, 1, 2];

document.body.innerHTML = greeter(user);

# Basic TypeScript

The basic TypeScript contains following points.

1. Data types
2. Classes
3. Functions

# Advanced TypeScript

Advanced TypeScript contains following points.

1. Classes
2. Interface
3. Modules
4. Writing d.ts file (declaration/definition file).