

1. What is typescript?

Ans: Typescript is a typed superset of javascript. After compiling the typescript it generates a plain javascript. Type script is purely object oriented with classes, interfaces, loops, Generics, namespaces and statically typed like c#
(or) java.

2. Why typescript ?

Ans:

1. Typescript offers you the reach of javascript, stay as strongly typed as possible but as dynamic as necessary.
2. Typescript provides you intellisense feauture which was not available in javascript.
3. Ability to check compile time errors when its compiled, this reduces most of the runtime errors.

3. What are the advantages of using typescript?

Ans:

1. Object-Oriented.
2. Compilation
3. Strong typed
4. Support for type definitions.
5. You can learn Angular2 at ease if you are expertised in typescript.

4. When was typescript released on ?

Ans:

1. Typescript v0.8 was released on oct 2012
2. Typescript 0.9 was released in 2013
3. Typescript 1.0 was released in 2014
4. Typescript 2.0 was released on sep 22 2016

5. Typescript was developed by ?

Ans: Typescript was developed by Anders Hejlsberg who is working at microsoft.

6. Is it mandatory to strong type every code in the typescript ?

Ans: No, its not mandatory.

7. How do you compile typescript files ?

Ans: For compiling typescript file to javascript file use the following command.

tsc Filename.ts

8. How to combine more than one typescript(.ts) files to one javascript(.js) file ?

Ans: yes, it is possible when compiling add --outFile

Ex: `tsc --outFile file1.ts file2.ts file3.ts`

9. How to compile .ts automatically ?

Ans: By using `tsc --watch file.ts`

10. What are the supported Object Oriented Principles in typescript ?

Ans: Typescript supports all the OO principles, main principles are

1. Inheritance
2. Abstraction
3. Polymorphism
4. Encapsulation

11. Is typescript replacement for javascript ?

Ans: No, typescript was created to fix the issues of javascript which is not supporting Inheritance, compile time error checking etc. It is a superset of javascript.