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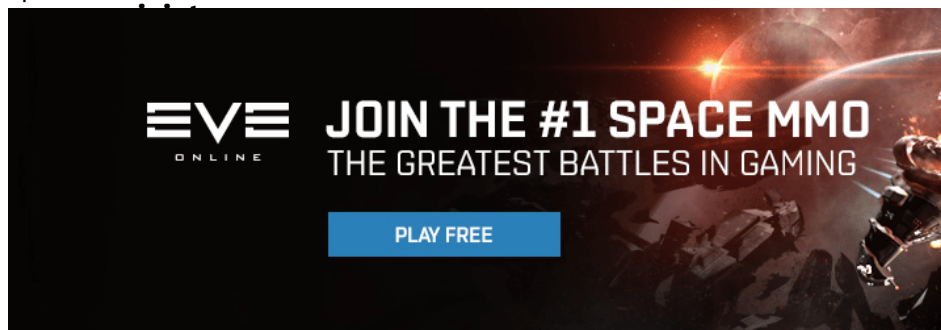
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Author - Full Stack Tutorials

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TypeScript Interview Questions: TypeScript is an open-source programming language developed and maintained by Microsoft. TypeScript is a superset of JavaScript that compiles to plain JavaScript. ^

Q: What is TypeScript?

TypeScript is a superset of JavaScript that compiles to plain JavaScript. It is developed and maintained by Microsoft.

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Q: Who is the founder of TypeScript?

Microsoft Corporation

Q: What are the built-in types in TypeScript?

1. **Number**
2. **String**
3. **Boolean**
4. **Null**
5. **Undefined**

Q: What are the Benefits of TypeScript?

1. It helps in code structuring
2. Typescript is purely object oriented programming.
3. It offers a "compiler" that can convert to JavaScript equivalent code.
4. It has a concept of namespace defined by a "module".
5. Type checking
6. Compiler for checking
7. Code completion and intelligence

Q: What are the features of TypeScript?

1. **tsc --init**
2. **extends in tsconfig.json**
3. **type vs interface**
4. **keyof**
5. **Mapped Types**
6. **Mixin classes**
7. **object vs class**
8. **Transpiling async/await to ES5/ES3**
9. **String value enums**
10. **allowJs, checkJs, // @ts-check**

Q: How to install typescript using NPM?

code source

1. `npm install -g typescript`

Q: How to compile a typescript file via command line?

code source

```
1. tsc fileName
2.
3. //Example
4. tsc helloworld.ts
```

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Q: What are the Modules in Typescript?

Modules are the way to organize code in TypeScript. Modules contains classes and interfaces. It is same like namespace in C#.

Types of Modules:

1. Internal Modules
2. External Modules

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Q: What are different components of TypeScript?

There are different types of components of TypeScript:

1. Language
2. Compiler
3. Language Service

Q: Does TypeScript supports function overloading?

Yes, TypeScript support function overloading but the implementation is a bit different if you compare it to OO languages.

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