

Day 4 MCQ Assignment

1. Microsoft

Microsoft created and maintains TypeScript as an open-source programming language. It can be used to develop JS applications in both client and server side.

2. Node

Commonly used with node.js which runs javascript on server side and other backend technologies aswell.

3. JavaScript

Type Script is superset of JavaScript that adds static typing. After compilation TypeScript is converted/compiled to JavaScript.

4. extends

Inheritance is implemented using the extends keyword similar to JavaScript Inheritance

5. var x = "string";

The variable has no type defined after declaring the variable there should be a colon space type.

This a JavaScript syntax, not a TypeScript syntax

6. var x: number = 999;

This is TypeScript syntax,

The variable x of number type is stored the value 999.

7. .ts

TypeScript files are typically stored in .ts format, for JavaScript it is .js

8. **tsc filename.ts**

tsc is the command to run TypeScript compiler to compile it to .js file, we can also execute a .ts file using node tsc filename.ts

9. **tsc filename.ts -w**

Make the compiler continuously watch for changes in TypeScript files and recompile automatically when changes are detected.

10. **super()**

use the super() keyword within the child class's constructor.

```
class Parent {  
  constructor(public name: string) {  
    console.log("Parent constructor called");  
  }  
}  
  
class Child extends Parent {  
  constructor(name: string, public age: number) {  
    super(name);  
    console.log("Child constructor called");  
  }  
}  
  
const child = new Child("John", 25);
```