TypeScript 2 WorkShop

// by programming mentor

Hello!

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1   Why TypeScript?

TypeScript

JavaScript that scales.

TypeScript is a typed superset of JavaScript that compiles to plain JavaScript.

Any browser. Any host. Any OS. Open source.

Download   **Documentation**

Starts and ends with JavaScript

Strong tools for large apps

State of the art JavaScript

TypeScript starts from the same syntax and semantics that millions of JavaScript developers know today. Use existing JavaScript code, incorporate popular JavaScript libraries, and call TypeScript code from JavaScript.

TypeScript compiles to clean, simple JavaScript code which runs on any browser, in Node.js, or in any JavaScript engine that supports ECMAScript 3 (or newer).

Types enable JavaScript developers to use highly-productive development tools and practices like static checking and code refactoring when developing JavaScript applications.

Types are optional, and type inference allows a few type annotations to make a big difference to the static verification of your code. Types let you define interfaces between software components and gain insights into the behavior of existing JavaScript libraries.

TypeScript offers support for the latest and evolving JavaScript features, including those from ECMAScript 2015 and future proposals, like async functions and decorators, to help build robust components.

These features are available at development time for high-confidence app development, but are compiled into simple JavaScript that targets ECMAScript 3 (or newer) environments.

2 Everything is here:

https://github.com/programmingmentor/typescript-workshop

3 **Some links:**

- http://www.typescriptlang.org/
- https://www.gitbook.com/book/basarat/typescript/details
- https://github.com/Microsoft/TypeScript/wiki/Coding-guidelines
- http://stackoverflow.com/a/30357635

Thanks!

Any questions ?

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