Занятие #1

Введение в Typescript

Вставить текст

Ссылки

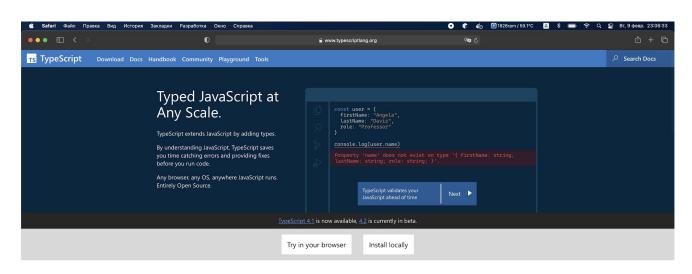
https://www.typescriptlang.org/

https://developer.mozilla.org/ru/docs/Web/JavaScript/Guide

https://www.npmjs.com/package/typescript

https://github.com/VladimirZubavlenko/web2.0

Typed JavaScript at Any Scale.



What is TypeScript?

JavaScript and More A Result You Can Trust **Gradual Adoption** TypeScript is an open-source language which All valid JavaScript code is also TypeScript Adopting TypeScript is not a binary choice, builds on JavaScript, one of the world's most code. You might get type-checking errors, but you can start by annotating existing JavaScript used tools, by adding static type definitions. that won't stop you from running the resulting with JSDoc, then switch a few files to be JavaScript. While you can go for stricter checked by TypeScript and over time prepare Types provide a way to describe the shape of behavior, that means you're still in control. your codebase to convert completely. an object, providing better documentation, and allowing TypeScript to validate that your TypeScript code is transformed into JavaScript TypeScript's type inference means that you code is working correctly. code via the TypeScript compiler or Babel don't have to annotate your code until you

Установка

npm install -g typescript

TypeScript: Статическая проверка типов

sample_0.js

sample_0.ts

Runtime



TS after JS



Типы в TS

sample_1.ts

sample_1.1.ts

Composing Types

sample_2.ts

Туре	Predicate	ty
string	typeof s === "string"	sa
number	typeof n === "number"	
boolean	typeof b === "boolean"	
undefined	typeof undefined === "undefined"	
function	typeof f === "function"	
array	Array.isArray(a)	

sample_3.ts

Generics

sample_4.ts

Structural Type System

sample_5.ts

Classes

sample_6.ts

Inheritance

sample_7.ts

sample_8.ts

Public, private, and protected modifiers

sample_9.ts

sample_10.ts

sample_11.ts

sample_12.ts

Accessors

sample_13.ts

Static Properties

sample_14.ts

Abstract Classes

sample_15.ts

Запуск

Вставить текст