

Conclusion

Conclusion of the course Starting with TypeScript

WE'LL COVER THE FOLLOWING ^

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Quick Overview

In this course, we explored TypeScript from its goals to many of the most used features of the language. At this point, you should be familiar with working with the core of the language, like variables of many types, on how to type functions and use generic code for reusability.

We discovered the multitude of object types and when to use each of them. We dig on index type and how to be type-safe while using string to access data. We learned many tricks to narrow down type as well to map different types dynamically with mapping type. We saw how to iterate in many fashions as well as how to manipulate objects and arrays with shorter syntaxes.

Tips

On your journey to type with TypeScript, try to embrace the benefice. If you are coming from JavaScript, it is normal for the first month to rage against types. There is more front overhead to think and write about type than only writing with the type in your mind. However, with times and with code shared among developers, you will soon realize that the little burden of typing is rapidly salvaged by having a quicker understandability of the code, as well as relying on the language which reduce your cognitive load to recall what

members are accepted for a variable or another.

TypeScript will also feel lighter once you discover how many issues or misuse can be caught in your code editor instead of being found during execution. Actually, you may even reduce many unit tests that was checking condition depending of what kind of variable where passed to a function. Now, TypeScript handles it and none of these tests are needed.

Finally, start slow but strictly. Do not start a new project without strict, it will cause you future issues. Instead, start strict but allow you to set explicitly few variables with `any`. Over the time, slowly refactor to use a type. With time, you will find yourself defining your type first, then use them throughout your codebase.

Where to From Here

This course is an introduction to TypeScript. While it touches a couple of more advanced topics, most of it is what is essential to build an application.

From here, there is plenty of object-oriented feature that has been omitted. Many JavaScript patterns does not require to rely on object oriented, hence the topic was not addressed. However, it is a good idea to explore the potential that TypeScript offers with classes, polymorphic code, abstract classes, etc.