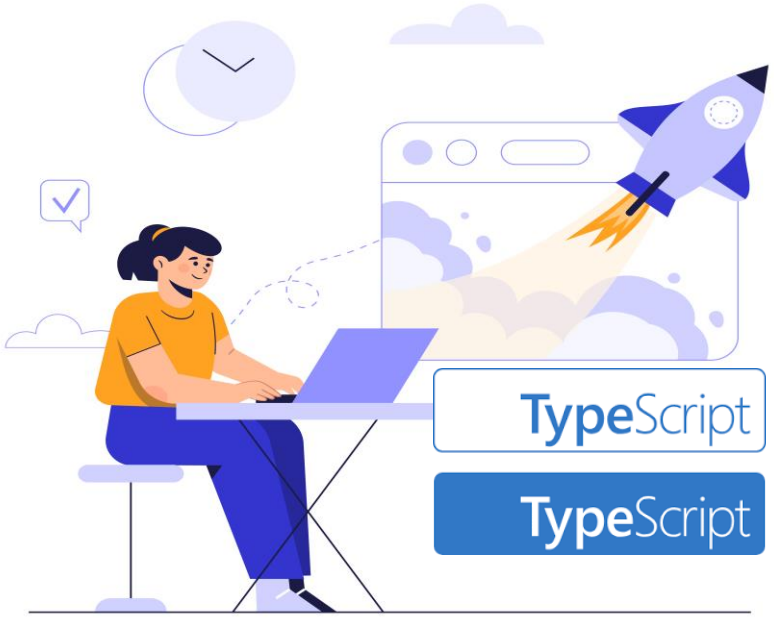
Typescript Introduction

Chapter-1



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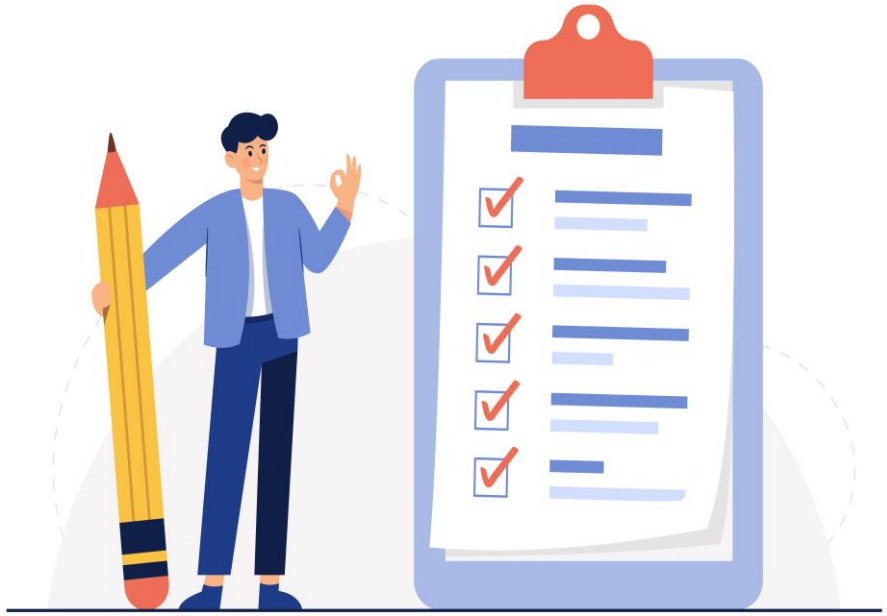
Explore

- What is Typescript ??
- Javascript Vs Typescript ??
- Features of Typescript ??
- Typescript Environment setup



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What is Typescript ??

TypeScript is a statically typed, object oriented, compiled language.

Designed by Anders Hejlsberg (designer of C#) at Microsoft

Typescript is a free open source programming language developed by Microsoft.

TypeScript is a superset of JavaScript that provides typed nature to your code.

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Typescript Features

Cross-Platform

Object -Oriented Language

{OOPS}
Object Oriented Programming

DOM Manipulation

Static Type checking

ES6 Features

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Typescript Vs Javascript

Javascript	Typescript
Javascript is dynamically typed Language.	Typescript is statically typed language.
Javascript directly run on the browser.	Typescript is not directly run on the browser.
It is a scripting language.	Typescript is a programming language.

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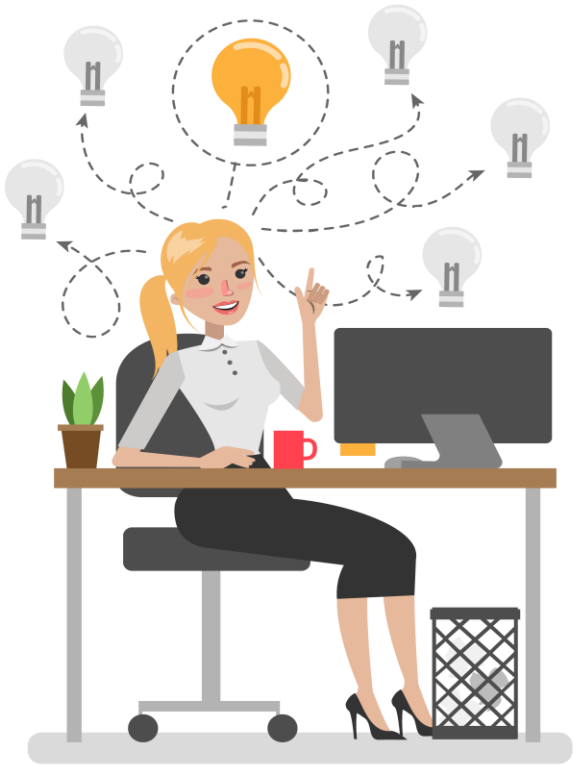
Why Use Typescript?



- Compile-Time Errors
- Runs Everywhere
- Object Oriented Programming
- Static Typing

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Typescript Environment

Download and install Node.js and npm from the official Node.js website: https://nodejs.org/

Install TypeScript globally on your system using npm.

npm install -g typescript

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Typescript Environment

Compile your TypeScript code into JavaScript using the TypeScript compiler (tsc).This will generate JavaScript output files based on your TypeScript code and configuration.

```
tsc job.ts
```

Run the compiled JavaScript code using Node.js.

```
node job.js
```

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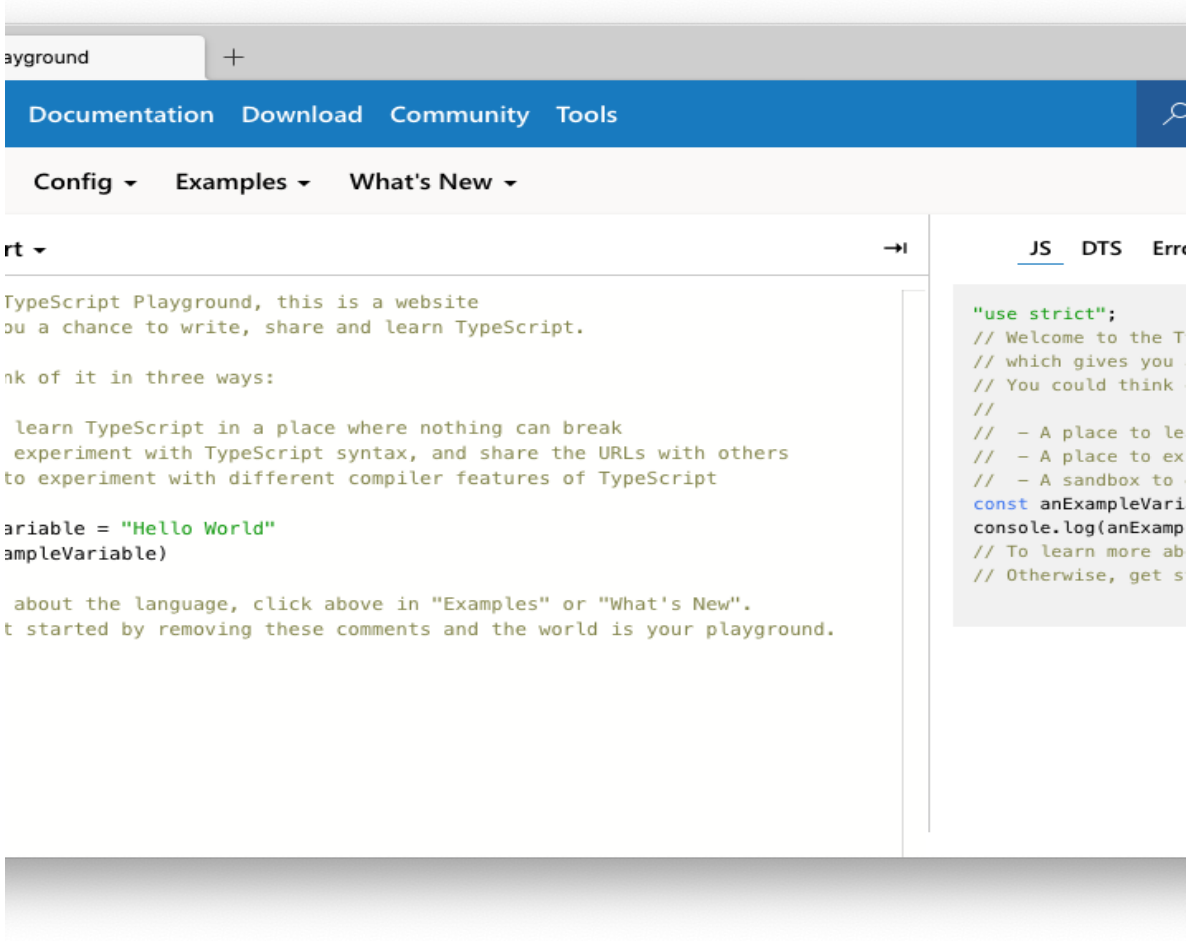
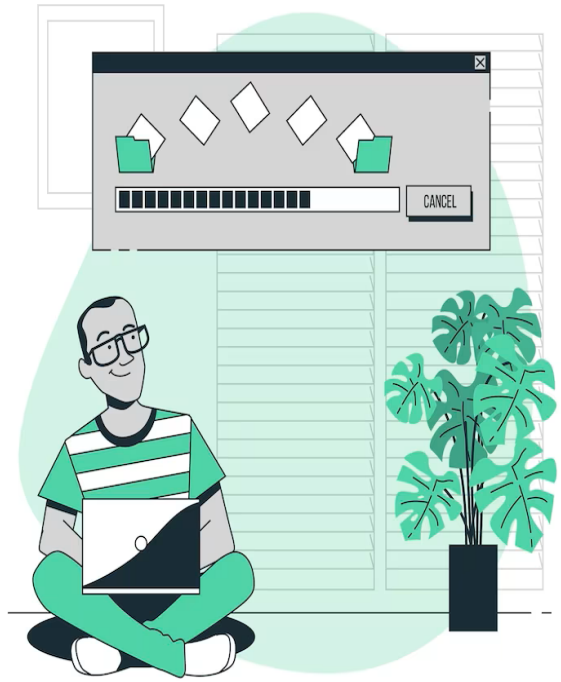
Online TypeScript editor



https://www.typescriptlang.org/play



Any Questions?