

Creating Asynchronous TypeScript Code

GETTING STARTED WITH ASYNCHRONOUS CODE



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You May Have Some Questions as We Start

TypeScript

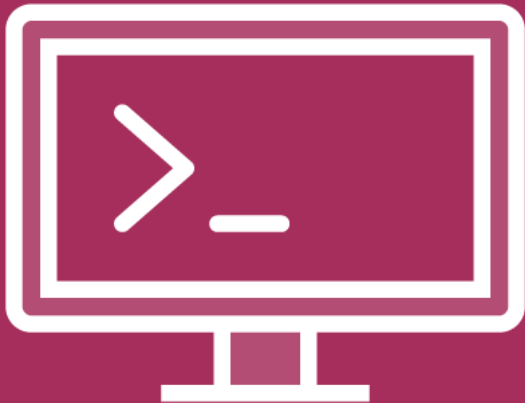
What will I learn?

What tools do I need and why?

What resources will I need?



Demo



Asynchronous Code



What Will I Learn?



Asynchronous TypeScript

- 1 | Identifying asynchronous code
- 2 | Callbacks
- 3 | Promises
- 4 | Async and await

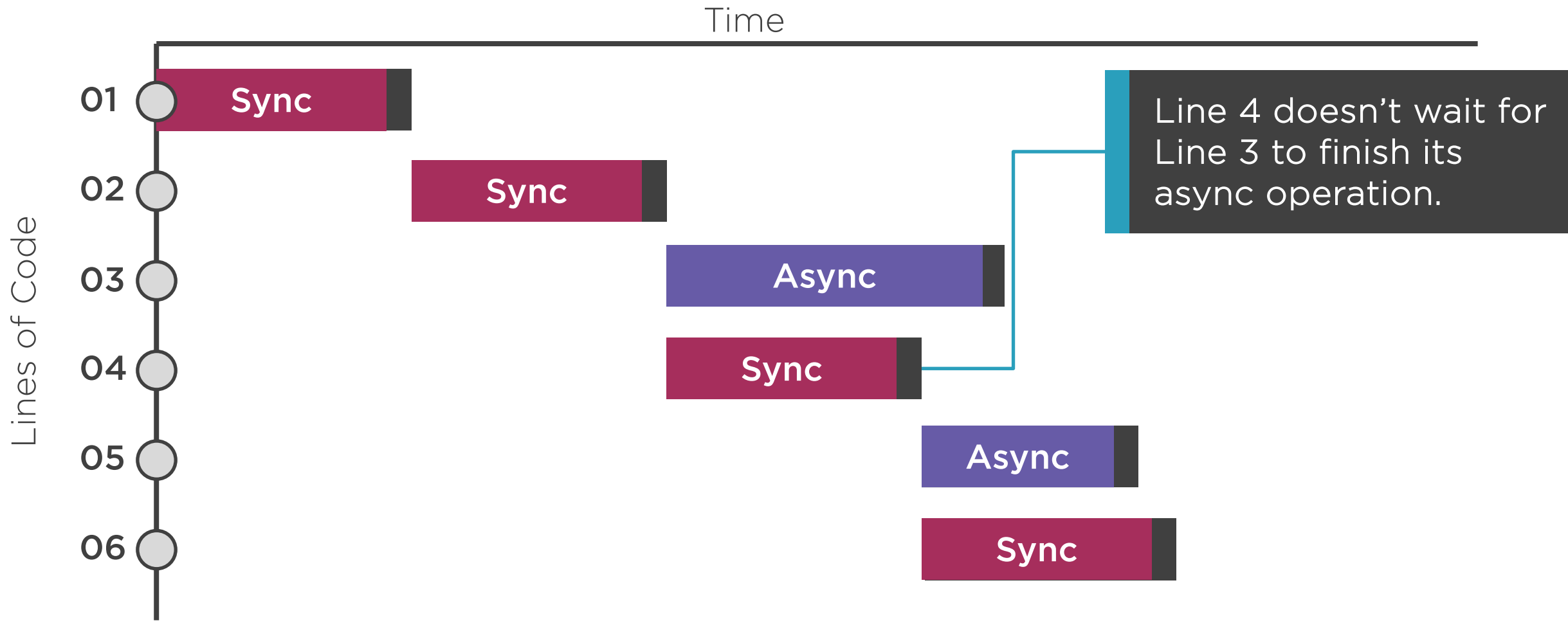


Synchronous is sequential.

Async is parallel and notifies on completion, failure or progress.



Sync and Async Code Execution



Tooling



Installing Node.js and the Demo App



Go to <https://nodejs.org>

LTS represents
Long Term Support



Download and install the **LTS** version for your operating system



Verify the installation



```
$ node --version
```

```
12.13.1
```

```
$ npm --version
```

```
6.13.1
```

Verify Your Installation

Recommend to use the latest

Node.js LTS version



Tooling



Visual Studio Code

<https://jpapa.me/ps-ta-code>



Prettier extension

<https://jpapa.me/ps-ta-prettier>

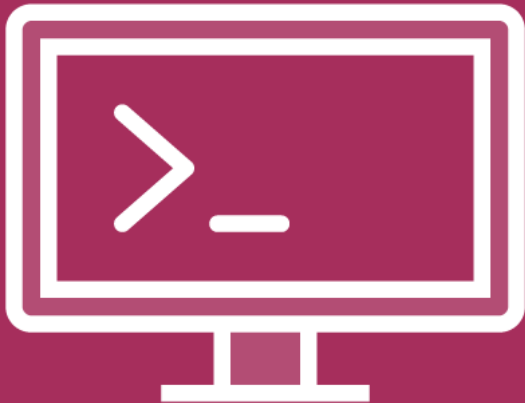


ESLint extension

<https://jpapa.me/ps-ta-eslint>



Demo



Install the Tools and Get the Code



Summary



Callbacks, Promises and Async/Await

Install and verify your tools

Install and run the sample code

