

WEB ADVANCED

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ANGULAR







# WHAT IS ANGULAR?

Framework for building client applications in HTML, CSS, and JavaScript/TypeScript

Angular itself is written in TypeScript and get's compiled into Vanilla Java Script

Great solution to make large web application!

# WHAT IS TYPESCRIPT?

TypeScript is an open-source programming language developed and maintained by Microsoft.

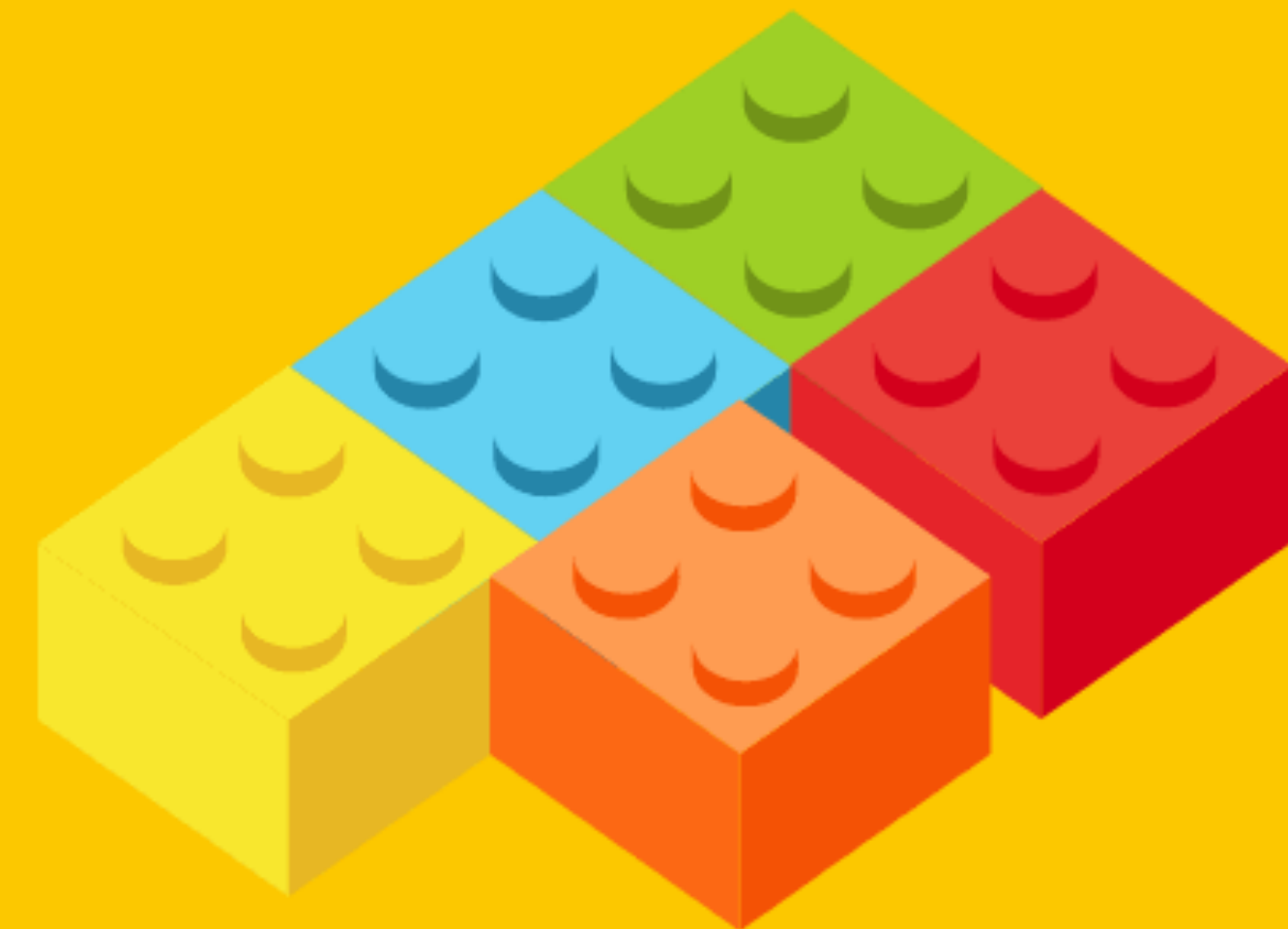
It forces you to write a little bit more code, but there are several advantages:

- Catch bugs instantly
- It's a super set of JS, so there is not a big learning curve
- Any valid JS code is valid on TS
- It supports any JS code

# COMPONENTS

Every Angular application has at least one component (App, which is the root application)

All other components are child of the root component, these can also be parents of other components



# PREREQUISITES

### Node.js

Angular requires a current, active LTS, or maintenance LTS version of Node.js. See the engines key for the specific version requirements in our package.json.

- To check your version, run `node -v` in a terminal/console window.
- To get Node.js, go to [nodejs.org](https://nodejs.org).

### npm package manager

This setup guide uses the npm client command line interface, which is installed with Node.js by default. To check that you have the npm client installed, run `npm -v` in a terminal/console window.

# ANGULAR CLI

A command line interface for Angular

```
> [sudo] npm install -g @angular/cli
```

This is going to allow you to use the **ng** command, used create a new project, run your code ...

```
> ng new appName (Create new Angular project)
```

```
> cd appName (Go to the directory root)
```

```
> ng serve (Run your development environment)
```

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LET'S CODE