

Set up Dev Environment



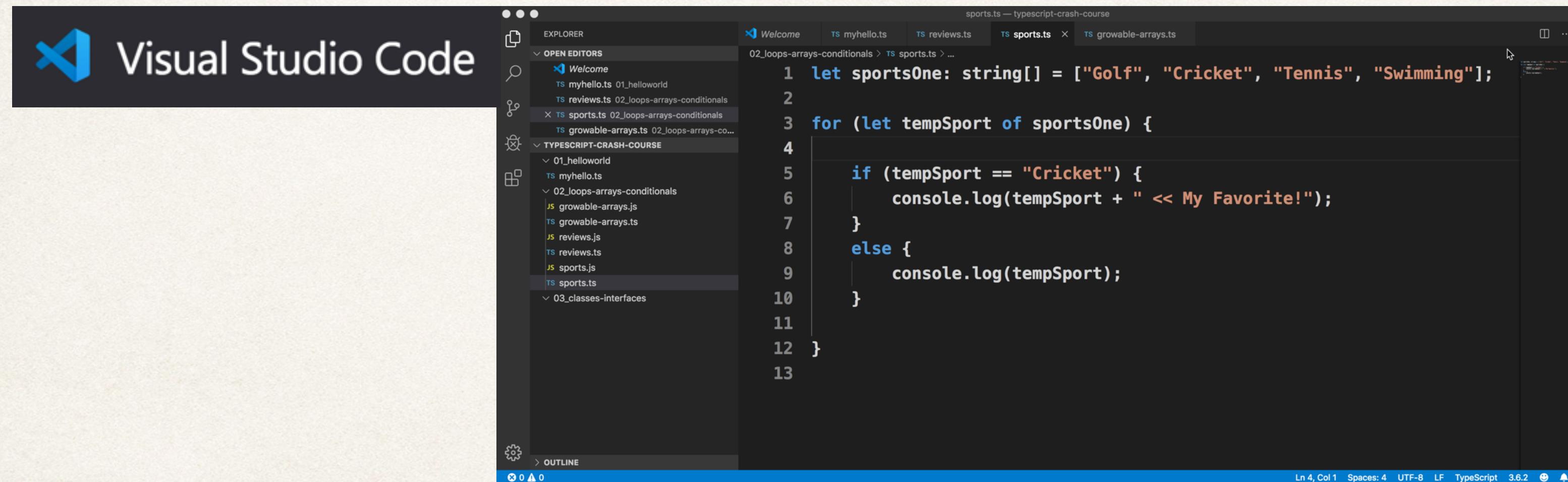
React Development Tools

- You can use any text editor or IDE
- Many React developers use the **TypeScript** language over **JavaScript**
 - Superset of JavaScript
 - Strongly-typed language with compile time checking and IDE support
- Command-line tools to compile code and create React apps / components

More on TypeScript with React
in upcoming videos

Visual Studio Code

- Free IDE that supports multiple programming languages
- Has built-in support for TypeScript and JavaScript
- IDE features such as IntelliSense, Debugging, etc ...



A screenshot of the Visual Studio Code interface. The title bar says "Visual Studio Code". The Explorer sidebar on the left shows a file tree with several TypeScript files (myhello.ts, reviews.ts, sports.ts) and a folder named "TYPESCRIPT-CRASH-COURSE" containing sub-folders like "01_helloworld" and "02_loops-arrays-conditionals". The main editor area displays a TypeScript script named "sports.ts" with the following code:

```
1 let sportsOne: string[] = ["Golf", "Cricket", "Tennis", "Swimming"];
2
3 for (let tempSport of sportsOne) {
4
5     if (tempSport == "Cricket") {
6         console.log(tempSport + " <> My Favorite!");
7     }
8     else {
9         console.log(tempSport);
10    }
11 }
12
13 }
```

The status bar at the bottom indicates the file is "sports.ts — typescript-crash-course", has 4 lines and 1 character, uses 4 spaces for indentation, is in UTF-8 LF encoding, is a TypeScript file, and is version 3.6.2.

<http://code.visualstudio.com>

Command-Line Tools

Tool	Purpose
node	For running JavaScript code from command-line
npm	Node Package Manager - Download new node packages and features. Similar to Maven
tsc	TypeScript Compiler

Installation Instructions

- Install tools: Visual Studio Code, node, npm, tsc
- Step-by-step instructions for each operating system

MS Windows

Mac

Linux

- View the instructions at the following link

www.luv2code.com/react-install-guides