000.2 TypeScript – Visual Studio Code setup

TypeScript Kata List – Blog Page

TypeScript Kata List – Github Page

# Duration

[minutes]

# Brief

Setting up Visual Studio .NET for code katas.

# Instructions

* Install Visual Studio Code. This is a free version of Visual Studio 2015.  
  <https://code.visualstudio.com/>
* Install NodeJS  
  <https://nodejs.org/en/>

# Github

* Before – [link to github]
* After – [link to github]

# Kata

Once Visual Studio Code is installed do the following to get ready for TypeScript.

NOTE: You can perform these tasks to get used to setting up TypeScript in VSC but each Code Kata will have files set up and ready to go.

1. Create a working folder and open this folder in VSC.
2. Create your first TypeScript file named start-up.ts.

Add the following code to the new start-up.ts file.

class Startup {

public static main():number{

console.log('hello world');

return 1;

}

}

1. To build the project press CTRL + SHIFT + B
   * You will be prompted to set up a Task Runner. Select Task Runner.

Update the new task.json file. By default a section of code is uncommented. Change the file referenced from “HelloWorld.ts” to “start-up.ts”. Now the project will build and export a file named start-up.js.

{

"version": "0.1.0",

// The command is tsc. Assumes that tsc has been installed using npm install -g typescript

"command": "tsc",

// The command is a shell script

"isShellCommand": true,

// Show the output window only if unrecognized errors occur.

"showOutput": "silent",

// args is the HelloWorld program to compile.

"args": ["start-up.ts"],

// use the standard tsc problem matcher to find compile problems

// in the output.

"problemMatcher": "$tsc"

}