012 TypeScript - simple functions

TypeScript Kata List – Blog Page

[TypeScript Kata List on GitHub](https://github.com/robertdunaway/katas-typescript)

# Duration

10 minutes

# Brief

Create simple, anonymous, and arrow functions.

### For More Information

BING/GOOGLE: “TypeScript functions”

# Instructions

Get tutorial folder or the entire katas-typescript repo.

Open the [before/\*.sln] file and execute the kata.

Feel free to execute this kata multiple times because repetition creates motor memory.

# Github

* Before (start kata with this)
  + https://github.com/robertdunaway/katas-typescript/tree/master/012%20TypeScript%20-%20simple%20functions/before
* After
  + https://github.com/robertdunaway/katas-typescript/tree/master/012%20TypeScript%20-%20simple%20functions/after

# Kata

Create a simple function that adds two numbers.

[highlight below for one possible answer]

// Create a simple 'add' function.

function add(a: number, b: number): number {

return a + b;

}

console.log('named function');

console.log('5 + 2 = ' + add(5, 2));

Create an anonymous function that adds two numbers.

[highlight below for one possible answer]

// Create an ananymous 'add' function.

var add2 = function (a: number, b: number): number {

return a + b;

}

console.log('anonymous function');

console.log('5 + 5 = ' + add2(5, 5));

Create an arrow function that adds two numbers.

[highlight below for one possible answer]

// Create a function using the arrow function.

var add3 = (a: number, b: number): number => {

return a + b;

}

console.log('arrow function');

console.log('10 + 5 = ' + add3(10, 5));

# Next

Take a few minutes and imagine more examples.