

# Module 5: Advanced JavaScript: Arrays, Functions, Scopes, and Modules

## Mini-Lesson 5.2: Anonymous Functions and Fat Arrows

### Solution

```
// Returns the sum of all elements of the given array
const sum = function (arr) {
  return arr.reduce((acc, item) => acc + item, 0);
}

// Returns the square of the number given
const square = (num) => num * num;

// Gets the sum of all the elements of the given array and returns the square of the sum
const sumAndSquare = function (arr) {
  return square(sum(arr));
}
const arr = [1, 2, 3, 4, 5]
console.log(sumAndSquare(arr)); // Output: 225
```