■ Week 2 Exercises – Step-by-Step Instructions

Use these steps to guide you through each task. Try your best before asking for help!

■ `function-exercises/`

■ ***`ex1.js`***

Write a function that receives a number and returns its square. After that, try writing the same function again using an arrow function.

■ ***`ex2.js`***

Create a function that receives a number and prints double the value (no return needed). Then try it again using an arrow function.

■ ***`ex3.js`***

Make a function with no parameters that returns the value of Pi. Then rewrite it using an arrow function.

■ ***`ex4.js`***

Write a function with no parameter and no return that prints "Hello!" to the console. Do the same again using an arrow function.

■ `template-literal-exercises/`

■ ***`ex1.js`***

Create a variable for a name, and use a template literal to say "Hello" using that name.

■ ***`ex2.js`***

Make two variables: one for an item, and one for its price. Use a template literal to describe the item and its price.

■ ***`ex3.js`***

Use a template literal to print a message that spans multiple lines.

■ *`ex4.js`*

Create two number variables and use a template literal to show the sum.

■ `modules-exercises/`

■ *`export.js`*

1. Create four functions:
• - `addNumbers`
• - `subtractNumbers`
• - `multiplyNumbers`
• - `divideNumbers`
2. Each function should take two parameters and return the result.
3. Export all of them using different styles of export.

■ *`import.js`*

1. Import all four functions from `export.js`.
2. Call each function with test values.
3. Print out each result.

■ `destructuring-exercises/`

■ *`ex1.js` – Object Destructuring*

1. Make an object with properties: name, age, and city.
2. Use destructuring to get the values.
3. Print those values to the console.

■ *`ex2.js` – Array Destructuring*

1. Create an array with at least three items (e.g. fruits).
2. Use destructuring to get the first two items.
3. Print them.

■ `big-exercise/`

■ *`export.js`*

1. Make an object with these properties: name, age, gender, and grade.
2. Write an arrow function that:
• - Takes the object as a parameter.
• - Uses destructuring to access the properties.
• - Uses a template literal to return a formatted string.
3. Export both the object and the function.

■ *`import.js`*

1. Import the object and function from `export.js`.
2. Call the function using the imported object and log the result.
3. Create your own object with the same properties and test the function again.