Task 3 [15 points]

Alice is another student who wants to learn prototype chain and function redefinition in JavaScript. She finds that JavaScript is very flexible. For example, she can redefine the sin functions under the system-provided Math object below so that sin(x) becomes 2 * sin (x):

```
let oldSin = Math.sin;
Math.sin = function (x) {
  return 2 * oldSin(x);
}
```

Now, she wrote the following code and tested it on the empty tab of a web browser console.

```
let myObj = {prop1: 3, prop2: 5, prop3: 4};
console.log("Results:" + myObj);
```

She finds that the browser outputs the following text on the console:

```
Results: [object Object]
```

However, she visited another website and typed the same code into the console. She found the following output:

```
Results:{prop1: 3, prop3: 4, prop2: 5}
```

So the same code outputs each key-value pair of the object and **sort** them based on the value.

Question Can you help Alice explain why this happens by completing the code in the index.js file inside this folder?

Note that you cannot hard-code any strings in your implementation. The output format should follow the example.

Please complete this task in the index.js file inside this folder. Do **not** write the answer in this README file.