React ES6 Test

Q1) https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/es6/explore-differences-between-the-var-and-let-keywords

Q2) https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/es6/write-arrow-functions-with-parameters

Q3) https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/es6/use-destructuring-assignment-to-assign-variables-from-nested-objects

Q4) https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/functional-programming/use-the-map-method-to-extract-data-from-an-array

Q5) https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/functional-programming/use-the-filter-method-to-extract-data-from-an-array

Q6) https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/functional-programming/use-higher-order-functions-map-filter-or-reduce-to-solve-a-complex-problem

Give The Output Of Below Questions

Q7)

```
function Pet(name) {
    this.name = name;
  this.getName = () => this.name;
  }
  const cat = new Pet('Fluffy');
  console.log(cat.getName()); // What is logged?
  const { getName } = cat;
  console.log(getName());    // What is logged?
```

Q8)

```
const object = {
  message: 'Hello, World!',

  logMessage() {
  console.log(this.message); // What is logged?
  }
  };
```

setTimeout(object.logMessage, 1000);

Q9) How can you call logMessage function so that it logs "Hello, World!"?

```
const object = {

message: 'Hello, World!'

};


function logMessage() {

console.log(this.message); // "Hello, World!"

}
```

Q10)

```
const object = {

  who: 'World',

  greet() {

  return `Hello, ${this.who}!`;

  },

  farewell: () => {

    return `Goodbye, ${this.who}!`;

  }

};


console.log(object.greet());    // What is logged?

console.log(object.farewell()); // What is logged?
```

Q11) Write a JS program to deep copy an object dynamically. You should not use JSON.Stringify or JSON.parse.

Hint:: You can use recursion in this.