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JavaScript Review

Read and finish each of these exercises:

https://www.learn-js.org

Learn the Basics

- Hello, World!
- Variables and Types
- Arrays
- Manipulating Arrays
- Operators
- Conditions
- Loops
- Objects
- Functions
- Pop-up Boxes

Take a screenshot and submit a zip file.

Code	Run	Reset	Solution	⌄	Output	Expected Output

```
1 console.log("Hello, World!");
```

Output:
```
Hello, World!
```

Code	Run	Reset	Solution	⌄	Output	Expected Output

```
1 var myNumber=4;
2 var myString="Variables are great.";
3 var myBoolean=false;
4 console.log("myNumber is equal to " + myNumber);
5 console.log("myString is equal to " + myString);
6 console.log("myBoolean is equal to " + myBoolean);
```

Output:
```
myNumber is equal to 4
myString is equal to Variables are great.
myBoolean is equal to false
```

Code	Run	Reset	Solution	⌄	Output	Expected Output

```
1 // TODO: change myArray to contain the variables
2 var myArray = ["What is the meaning of life?", 42, tru
3 console.log(myArray[0]);
4 console.log(myArray[1]);
5 console.log(myArray[2]);
```

Output:
```
What is the meaning of life?
42
true
```

Code	Run	Reset	Solution	⌄	Output	Expected Output

```
1 var firstName = "John";
2 var lastName = "Smith";
3 var myNumber = 21;
4
5 // TODO: change the following code
6 var fullName = firstName + " " + lastName;
7 var meaningOfLife = myNumber * 2;
8
9 console.log("The name is " + fullName);
10 console.log("The meaning of life is " + meaningOfLife
```

Output:
```
The name is John Smith
The meaning of life is 42
```

Code

```
1  function checkNumber(myNumber)
2  {
3      // TODO: write your code here
4      if (myNumber===42)
5      {
6          console.log("correct");
7      }
8      else
9      {
10         console.log("incorrect");
11     }
12 }
```

Output

```
incorrect
incorrect
correct
```

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Code

```
7      }
8      else
9      {
10         console.log("incorrect");
11     }
12 }
13
14 checkNumber(3);
15 checkNumber(7);
16 checkNumber(42);
```

Output

```
incorrect
incorrect
correct
```

In this exercise, you must write a for loop that iterates on the myArray variable and prints out all of its members.

Code

```
1 r myArray = ["What is the meaning of life?", "The mean
2
3 TODO: modify this code
4 r (var i = 0; i<myArray.length; i++)
5
6   console.log(myArray[i]);
7
```

Output

```
What is the meaning of life?
The meaning of life is
42
```

Code

```
1  // TODO: change this code
2  var person = {
3      firstName : "Jack",
4      lastName : "Smith",
5      age : 19,
6      employed : true
7  }
8
9  console.log(person.firstName);
10 console.log(person.lastName);
11 console.log(person.age);
12 console.log(person.employed);
```

Output

```
Jack
Smith
19
true
```

Code

```
1 // TODO: define the function multiplyFive here
2 var multiplyFive = function (number) {
3     return number * 5;
4 }
5 console.log(multiplyFive(3));
6 console.log(multiplyFive(4));
7 console.log(multiplyFive(5));
8 console.log(multiplyFive(6));
```

Output

```
15
20
25
30
```

Code

```
1 // Make your prompt box below!
2 var test = prompt("Hi!");
3 console.log(test);
```

Output

```
Hi!
```