Quiz 2 will cover the following topics:

- Document Object Model (DOM)
- JavaScript objects and data structures
- Event and event handling (e.g., `navigator.geolocation`)
- JSON and JSON parsing
- First-class functions
- `XMLHttpRequest`
- `var` scoping
- Labs 5 and 6
- Assignment 2
- Cookies and local storage

Google Maps API and jQuery will not be tested.

Practice Questions

1. Consider the following JavaScript. Assuming there are no errors in the code, the web browser supports geolocation detection, and `getMyLocation()` is called via `<body onload="getMyLocation()">`, what is the *most likely* output in the JavaScript console?

```
<script>
  function getMyLocation() {
    found = 0;
    if (navigator.geolocation) {
      console.log(found);
      navigator.geolocation.getCurrentPosition(function(position) {
        found = 1;
        console.log(found);
      });
    }
    console.log(found);
  }
</script>
```

2 Consider the following JavaScript program, what is the output in the JavaScript console?

```
var a = 6;
var b = 5;

function foo(a) {
    console.log(a * b);
}

function bar() {
    var a = 5;
    for (b = 0; b < 3; b++) {
        console.log(b * a);
    }
}

foo(3);
bar();
console.log(a);
console.log(b);
```

For question 3, consider the following code snippet:

```
str = '{"Person":"Carmen Sandiego","LastSeen":"Sealand"}';
obj = JSON.parse(str);
```

3 (2 points). Assuming that the JSON string is correct and that it can be parsed correctly, how can you print the following message to the JavaScript console:

    Carmen Sandiego was last seen in Sealand.

NOTE: `console.log("Carmen Sandiego was last seen in Sealand.");` is not acceptable!

Answers

1.

0
0
1

2.

15
0
5
10
6
3

3.

```
console.log(obj["Person"] + " was last seen in " + obj["LastSeen"]);
```

or

```
console.log(obj.Person + " was last seen in " + obj.LastSeen);
```