A

**Assignment:** [Activity] Fun with Files **Due Date:** June 17th by 11:59pm

Points: 10

Description: In this exercise, we will be learning about the node.js libraries used to manipulate

files. These are the fs (short for file system) module and the path module.

Q9 details

## **Overall Summary:**

**Asynchronous File Functions** 

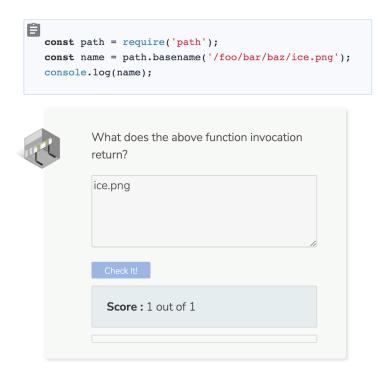
#### Web Development / Week 2 100 (18) **Fun with Files** 100 (18) 18 from Nina Boonyasiti Points (%) Assessments Comments **Code Comments** 1 Click assessment name to see detailed report Туре Path Functions Q14 details A Path Functions Q15 details A A Path Functions Q16 details A **Path Functions** Q17 details A **Path Functions** Q18 details A **Synchronous File Functions** Q1 details A **Synchronous File Functions** Q2 details A **Synchronous File Functions** Q3 details A **Synchronous File Functions** Q4 details Synchronous File Functions A O5 details A Synchronous File Functions Q6 details A **Asynchronous File Functions** Q10 details **Asynchronous File Functions** Q11 details A A **Asynchronous File Functions** Q12 details **Asynchronous File Functions** Q12 details A A **Asynchronous File Functions** Q13 details Q7 details A **Asynchronous File Functions** A Q8 details **Asynchronous File Functions**

#### **Student Submission:**

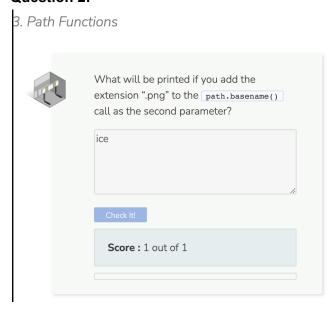
To complete this assignment, students are to run the snippets of code, run them in the project terminal and report their answers according to the instructions and skills taught in the lesson.

#### **Question 1:**

3. Path Functions



## Question 2:



### **Question 3:**

3. Path Functions

Consider the code:



### **Question 4:**

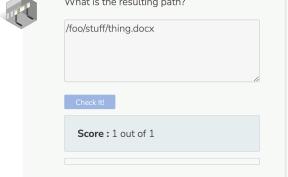
Consider the code:



### Question 5:

Consider the code:

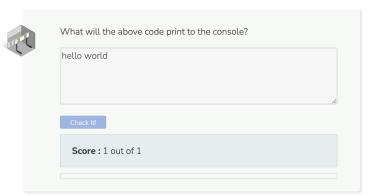
```
const path = require('path');
const result = path.join('/foo/bar/baz', '../../stuff'
console.log(result);
What is the resulting path?
```



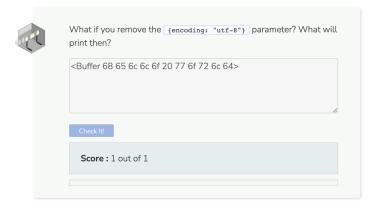
# Question 6:

Consider this example code:





### **Question 7:**



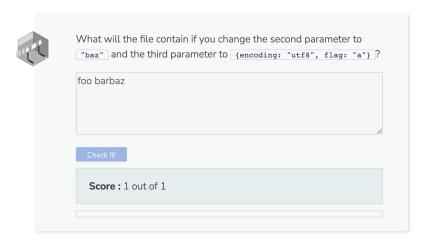
### **Question 8:**

4. Synchronous File Functions

Consider this example code:



## Question 9:



## **Question 10:**

```
const fs = require('fs');
var stats = fs.statSync('hello.txt');
console.log(stats.size);

If you run the code above, what is printed to the console?

11

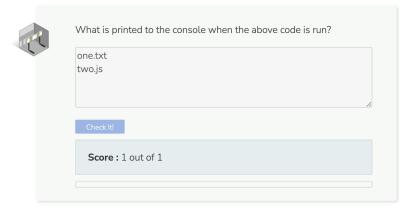
Check It

Score:1 out of 1
```

## **Question 11:**

4. Synchronous File Functions

```
const fs = require('fs');
var entries = fs.readdirSync('stuff');
entries.forEach(function(entry){
    console.log(entry);
});
```



### **Question 12:**

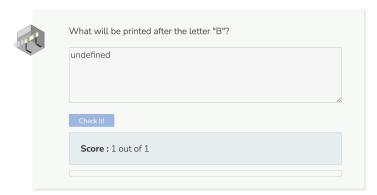
5. Asynchronous File Functions

Consider this example:

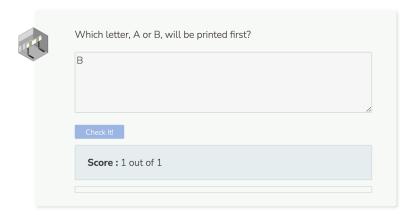
```
const fs = require('fs');
var data;
fs.reaffile('hello.txt', {encoding: "utf8"}, (err, data) => {
   if(err) return console.error(err);
   console.log('A', data);
});
console.log('B', data);
```



# Question 13:

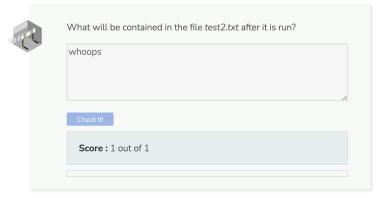


# Question 14:



## **Question 15:**

```
const fs = require('fs');
var data = "whoops";
fs.writeFile('test2.txt', data, {encoding: "utf8"}, (err, data) => {
   if(err) return console.error(err);
});
```



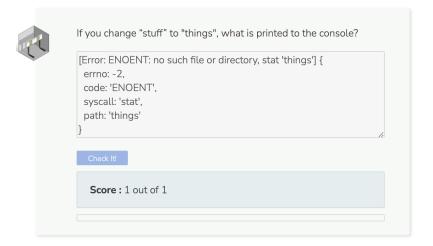
## **Question 16:**

Consider the following code:

```
const fs = require("fs");
fs.stat("stuff", (err, stat) => {
  if(err) return console.log(err);
  console.log("stuff is a directory:", stat.isDirectory());
});
```



## **Question 17:**



## **Question 18:**

Consider the following code:

```
const fs = require("fs");
fs.readdir("stuff", {withFileTypes: true}, (err, entries) => {
   if(err) return console.log(err);
   entries.forEach(entry => {
      console.log(`${entry.name} is a file: ${entry.isFile()}`);
   });
});
```

