



End Course Quiz Assessment - Introduction to Computer Programming

Below is a scored review of your assessment. All questions are shown.



Correct Answer



Partially Correct



Incorrect Answer

**1** Which of the following programming languages is mainly used for web development?

**Your Answer** JavaScript

**Correct Answer** Java  
JavaScript

### Explanation

JavaScript and Java are the programming languages that are used for web development. They are primarily used to create interactive web pages and web applications

**2** Which of the following is a correct way to define a private property in a class in ES6?

**Your Answer**                      `this.#myProp = value;`

**Correct Answer**                      `this.#myProp = value;`

### Explanation

The '#' symbol can be used to define private properties in classes in ES6.

- 3 Which of the following regular expression patterns matches any string that starts with 'abc' and ends with 'xyz'?

Your Answer `/^abc.*xyz$/`

Correct Answer `/^abc.*xyz$/`

### Explanation

The regular expression pattern `/^abc.*xyz$/` matches any string that starts with 'abc' and ends with 'xyz' in a JavaScript regular expression. The `^` character matches the beginning of the input string, the `.` matches any number of characters between 'abc' and 'xyz', and the `$` matches the end of the input string. The pattern `/abc|xyz/` matches either 'abc' or 'xyz', while `/[a-z]+/` matches any sequence of one or more lowercase letters, and `/d+/` matches any sequence of one or more digits.

**4** Which of the following methods can be used to replace a substring within a string in JavaScript?

**Your Answer**                      `replace()`

**Correct Answer**                      `replace()`

### Explanation

The `replace()` method searches a string for a specified value, or a regular expression, and returns a new string where the specified values are replaced. The `insert()`, `modify()`, and `update()` methods are not built-in string methods in JavaScript.

**5** What is the output of the following code?

```
let person = {  
  name: "John",  
  age: 30,  
  get fullName() {  
    return `${this.name} Smith`;  
  },  
  set fullName(value) {  
    [this.name, this.surname] = value.split(" ");  
  }  
};  
person.fullName = "Jane Doe";  
console.log(person.name);
```

**Your Answer** "Jane"

**Correct Answer** "Jane"

### Explanation

The fullName property is defined as a getter and setter. When we set the fullName property to "Jane Doe", it calls the setter function, which splits the string into two parts and assigns them to this.name and this.surname. Therefore, person.name is "Jane".

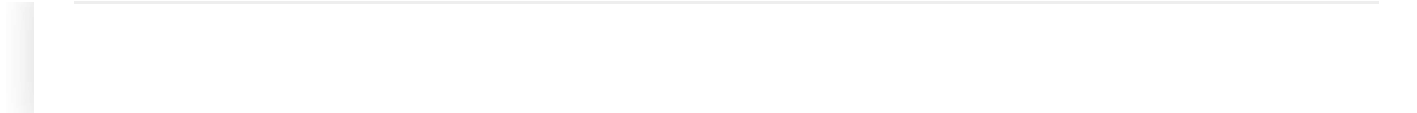
## 6 What is the syntax of the ternary operator in JavaScript?

**Your Answer**                      condition ? expression1 : expression2

**Correct Answer**                      condition ? expression1 : expression2

### Explanation

The ternary operator is a shorthand way of writing an if-else statement in JavaScript. The syntax consists of a condition followed by a question mark, followed by an expression to evaluate if the condition is true, followed by a colon, and finally, an expression to evaluate if the condition is false.





7

If myFunction is called as myFunction(5); what will be the return value?

```
function myFunction(x, y) {  
  const arr = Array.prototype.slice.call(arguments);  
  return arr.length;  
}
```

Your Answer 1

Correct Answer 1

### Explanation

1

**8** Which of the following regular expressions matches a string that contains at least one digit?

**Your Answer** `/^[0-9]+$`

**Correct Answer** `/^[0-9]+$`

### Explanation

The "+" operator matches one or more of the preceding character set. The "^" and "\$" symbols represent the start and end of the string, respectively.

**9** Which of the following statements best describes what programming is?

**Your Answer**

The process of designing and implementing software solutions to problems

**Correct Answer**

The process of designing and implementing software solutions to problems

### Explanation

Programming is the process of designing and implementing software solutions to problems. It involves writing code in a programming language to instruct a computer to perform a specific task or set of tasks.

**10** What is the result of the following expression: 5 & 9;

**Your Answer** 1

**Correct Answer** 1

### Explanation

You are Correct !!

In JavaScript, the & operator performs a bitwise AND operation on two operands. The binary representation of 5 is 101, and the binary representation of 9 is 1001. Performing a bitwise AND operation on these two numbers gives 0001, which is equal to 1 in decimal notation.

11

What will be the output of the following code snippet?

```
function sumOfNaturals(n) {  
  let sum = 0;  
  for (let i = 1; i <= n; i++) {  
    sum += i;  
  }  
  return sum;  
}  
console.log(sumOfNaturals(10))
```

Your Answer 55

Correct Answer 55

### Explanation

None.

**12** What are some differences in the RegExp literal notation and constructor? Select all that apply.

**Your Answer**

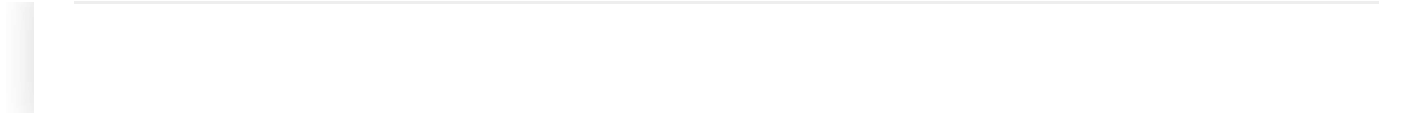
The literal notation's parameters are enclosed between slashes and have no quotation marks  
The constructor is evaluated at runtime

**Correct Answer**

The literal notation's parameters are enclosed between slashes and have no quotation marks  
The literal notation is evaluated at compile time  
The constructor function does not use slashes but has quotes  
The constructor is evaluated at runtime

**Explanation**

All of the above are correct.



**13** What is the difference between a function declaration and a function expression in JavaScript?

**Your Answer** All of the above.

**Correct Answer** All of the above.

### Explanation

A function declaration is a statement that declares a function, and it is hoisted to the top of its scope. A function expression, on the other hand, is an expression that evaluates to a function, and it is not hoisted. A function declaration can be called before it is defined in the code, whereas a function expression cannot. Therefore, option d is correct.



## 14 What is the purpose of using helper functions in JavaScript?

**Your Answer** All of the above.

**Correct Answer** All of the above.

### Explanation

Helper functions are small, specialized functions that are used within larger functions to accomplish specific tasks. They make functions easier to understand and debug, reduce the amount of code needed to accomplish a task, and encapsulate complex logic into smaller, more manageable functions. Therefore, option d is correct.

**15** Which of the following is NOT a way to declare a variable in JavaScript?

**Your Answer**                      `def`

**Correct Answer**                      `def`

### Explanation

`def` is not a valid way to declare a variable in JavaScript. The three valid ways are `'let'`, `'var'`, and `'const'`

**16** Which of the following methods is used to return a new array with all elements that are not in another specified array?

**Your Answer** filter()

**Correct Answer** filter()

### Explanation

The filter() method can be used to return a new array with all elements that satisfy a condition specified by a callback function. In this case, the condition is that the element is not in another specified array.

**17** setInterval interval time includes the time it took to execute the code.

**Your Answer** False

**Correct Answer** False

### Explanation

False. The setInterval function in JavaScript specifies a delay in milliseconds between executions of the provided code. The specified delay is independent of the time it takes to execute the code itself.

## 18 Which of the following statements about dynamically typed languages is true?

### Your Answer

These are the languages which provide more flexibility and the interpreter assigns the variable's type at runtime based on its value at the moment.

### Correct Answer

These are the languages which provide more flexibility and the interpreter assigns the variable's type at runtime based on its value at the moment.

### Explanation

Dynamically typed languages provide more flexibility in programming, as the data type of a variable is determined at runtime and can be changed if necessary.

## 19 What is the output of the following switch statement?

```
var x = "Hello";  
switch (x) {  
  case "Hello":  
    console.log("Greeting");  
  case "Goodbye":  
    console.log("Farewell");  
  default:  
    console.log("Other");  
}
```

**Your Answer** Greeting, Farewelll, Other

**Correct Answer** Greeting, Farewelll, Other

### Explanation

Since the first case statement matches the value of x, it will execute and "Greeting" will be printed to the console. However, since there are no break statements, execution will fall through to the second case statement, which will also execute and "Farewell" will be printed to the console. Finally, since there is no break statement in the default case, "Other" will also be printed to the console.

**20** Which of the following statements is not a JavaScript decision statement?

**Your Answer** do...while

**Correct Answer** continue

### Explanation

The "continue" statement is not a decision statement in JavaScript. It is a loop control statement that is used to skip the current iteration of a loop and move on to the next iteration. The "if...else" statement, "switch" statement, and "do...while" statement are all examples of decision statements in JavaScript.

Summary

Next Page

I'm Done

Software by

Version 11.2

Privacy Policy. Assessment content is copyright 2024, AlmaBetter.