



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

21

Which of the following is the correct regular expression for matching a string that starts with a letter and ends with a non-letter character?

Your Answer `/^[a-zA-Z].*[^a-zA-Z]$/`

Correct Answer `/^[a-zA-Z].*[^a-zA-Z]$/`

Explanation

The '^' and '\$' characters ensure that the regular expression matches the entire string, not just a substring within the string.

22

What will be the output of the following code snippet?

```
let str = "JavaScript";  
let res = str.slice(0, 4) + str.slice(4).toUpperCase();  
console.log(res);
```

Your Answer

"JavaScript"

Correct Answer

"JavaScript"

Explanation

The slice() method extracts a section of a string and returns it as a new string, without modifying the original string. In this case, the first slice extracts "Java", and the second slice converts "Script" to uppercase. The result is "JavaScript".

23

What does the following code snippet output?

` ` `

```
let myArray = [1, 2, 3];  
for (let item in myArray) {  
  console.log(item);  
}  
` ` `
```

Your Answer 2, 1, 0**Correct Answer** 2, 1, 2

Explanation

The 'for...in' loop in JavaScript iterates over the keys of an object or array. Therefore, the 'item' variable in this example is the index of the current element.

24

What does the following code snippet output?

```
```\n
```

```
let a = 10;\n
```

```
let b = 20;\n
```

```
[a, b] = [b, a];\n
```

```
console.log(a, b);\n
```

```
```\n
```

Your Answer

10 20

Correct Answer

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Explanation

The destructuring assignment in this example swaps the values of 'a' and 'b', so the console output is '20 10'.

25 What is the result of the following expression: "apple" < "banana";

Your Answer True

Correct Answer True

Explanation

In JavaScript, the < operator performs lexicographic comparison between two strings. The comparison is performed by comparing the Unicode code point values of the characters in the strings, from left to right. In this case, the Unicode code point value of "a" is less than the Unicode code point value of "b", so "apple" is less than "banana".

26 If a function is called with less parameters than the declared amount of parameters, what value is assigned to the missing parameters?

Your Answer undefined

Correct Answer undefined

Explanation

If a function is called with fewer parameters than the declared number of parameters, the missing parameters are assigned the value of undefined.

27 Which of the following regular expression flags matches only at the end of the input string?

Your Answer m

Correct Answer none of the above

Explanation

There is no flag that matches only at the end of the input string. However, the "\$" symbol can be used to match the end of the string.

28

What is the output of the following code? `` ` const a = [1, 2, 3]; const b = a.reduce((acc, x) => acc.concat([x * x]), []); console.log(b); `` `

Your Answer [1, 4, 9]

Correct Answer [1, 4, 9]

Explanation

The `reduce()` function applies a function to each element of an array and accumulates the results into a single value. In this case, the function squares each element of the array and concatenates the result to the accumulator, resulting in `[1, 4, 9]`.

29 Which of the following is an example of implicit type conversion in JavaScript?

Your Answer "5"+5

Correct Answer "5"+5

Explanation

Implicit type conversion in JavaScript occurs when the data type of a value is automatically converted by the interpreter, such as when a string is concatenated with a number.

30

Can you explain the significance of environment configuration in programming?

Your Answer

To ensure everything works correctly

Correct Answer

To ensure everything works correctly

Explanation

Environment configuration is a crucial step in the development process that helps to ensure that the project runs smoothly and efficiently

31 Which of the following is true about client-side rendering in JavaScript?

Your Answer The client generates HTML markup using JavaScript and renders it in the browser.

Correct Answer The client generates HTML markup using JavaScript and renders it in the browser.

Explanation

Client-side rendering involves using JavaScript to generate HTML markup in the client's browser. This differs from server-side rendering, where the server generates the HTML markup and sends it to the client.

32 What happens if a break statement is omitted in a switch-case statement in JavaScript?

Your Answer

The program will exit the switch-case statement and continue executing the code outside it.

Correct Answer

The program will continue executing the code in the next case statement, regardless of whether its value matches.

Explanation

If a break statement is omitted in a case statement in a switch-case statement, the program will continue executing the code in the next case statement, regardless of whether its value matches. This is called "falling through" and can be useful in some situations, but it can also cause unexpected behavior if not used carefully.

33

What will be the output of the following code snippet?

```
let str = 'hello';  
let newStr = str.replace('l', 'L');  
console.log(newStr);
```

Your Answer heLlo

Correct Answer heLlo

Explanation

The `replace()` method returns a new string with some or all matches of a pattern replaced by a replacement. In this code, it replaces the first "l" character in the string with "L", so the output will be "heLlo".

34

What is the output of the following code snippet?

```
var arr = [1, 2, 3, 4, 5];  
for(var i=0; i < arr.length; i++) {  
    if(i === 2){  
        break;  
    }  
    console.log(arr[i]);  
}
```

Your Answer 1,2

Correct Answer 1,2

Explanation

The break statement is used to terminate the loop. In this case, the loop terminates when i is equal to 2

35

Which of the following programming paradigms focuses on the use of rules and constraints to describe a problem domain?

Your Answer

Constraints Programming

Correct Answer

Logical Programming

Explanation

Logic programming is a programming paradigm that is based on the use of rules and constraints to describe a problem domain. It uses logical inference to derive new facts from existing ones, and is often used in artificial intelligence and expert systems.

36 Which loop in JavaScript allows code to execute at least once, even if the condition is false?

Your Answer do-while loop

Correct Answer do-while loop

Explanation

The do-while loop in JavaScript allows code to execute at least once, even if the condition is false. In this loop, the code block is executed first and then the condition is checked. If the condition is true, the code block is executed again, otherwise the loop is terminated.

37 What is the result of the following expression: `x += 2;`

Your Answer Adds 2 to the value of x

Correct Answer Adds 2 to the value of x

Explanation

The `+=` operator adds a value to a variable and assigns the result to the same variable. In this case, 2 is added to the value of x.

38 What are the three ways to create a new object?

Your Answer

new Object()
Object.create()
literal notation

Correct Answer

new Object()
Object.create()
literal notation

Explanation

An example of literal notation: `const obj = { a: 1 }`

39 Which of the following is NOT a primitive data type in JavaScript?

Your Answer array

Correct Answer array

Explanation

Arrays are not a data type in JavaScript, but rather an object used to store a collection of values.

40

What is the output of the following code snippet?

```
var myFunc = (...args) => {  
  console.log(args.length);  
}  
myFunc(1, 2, 3);
```

Your Answer 3

Correct Answer 3

Explanation

The output will be 3 because arrow functions do not have their own arguments object, so arguments.length refers to the arguments object of the surrounding scope (the global scope), which contains two predefined arguments.

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