



**TAKE 2 MINUTES  
TO LEARN  
/(reg)ex/**

**JS**



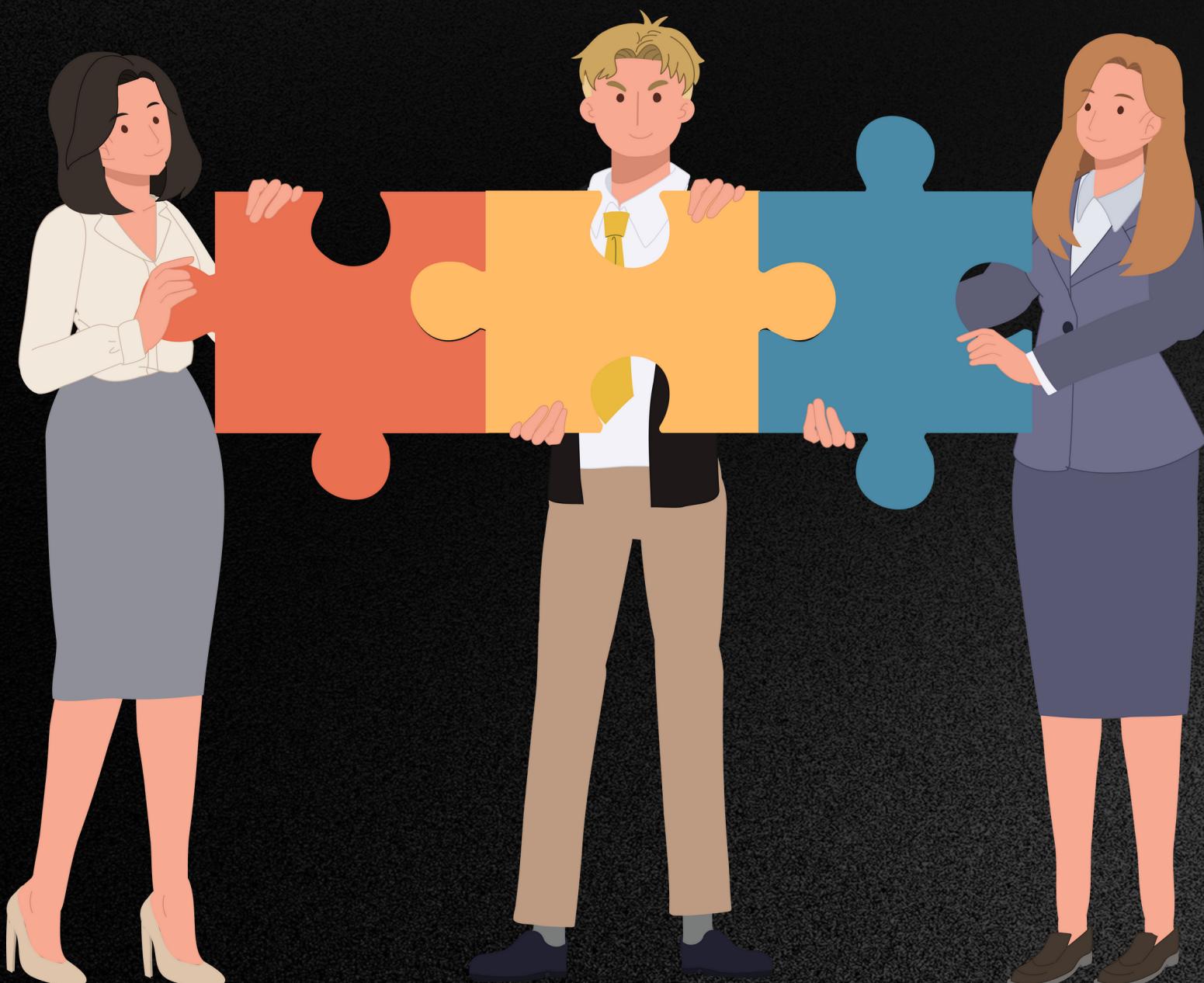
*You Must know*

[ Don't Miss It ]



# What is this ?

- Regular expressions (regex) are powerful tools for pattern matching and string manipulation in JavaScript.
- They allow you to define patterns to search for, extract, or replace specific substrings within strings.



# test() Method

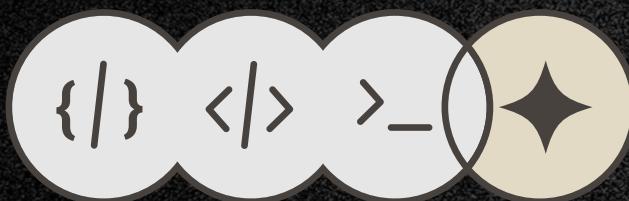
- test() is a method available on RegExp objects in JavaScript that checks if a pattern exists within a string.
- It returns true if the pattern is found, and false otherwise.

```
JS

let pattern = /hello/;
const text = "Hello, world!";

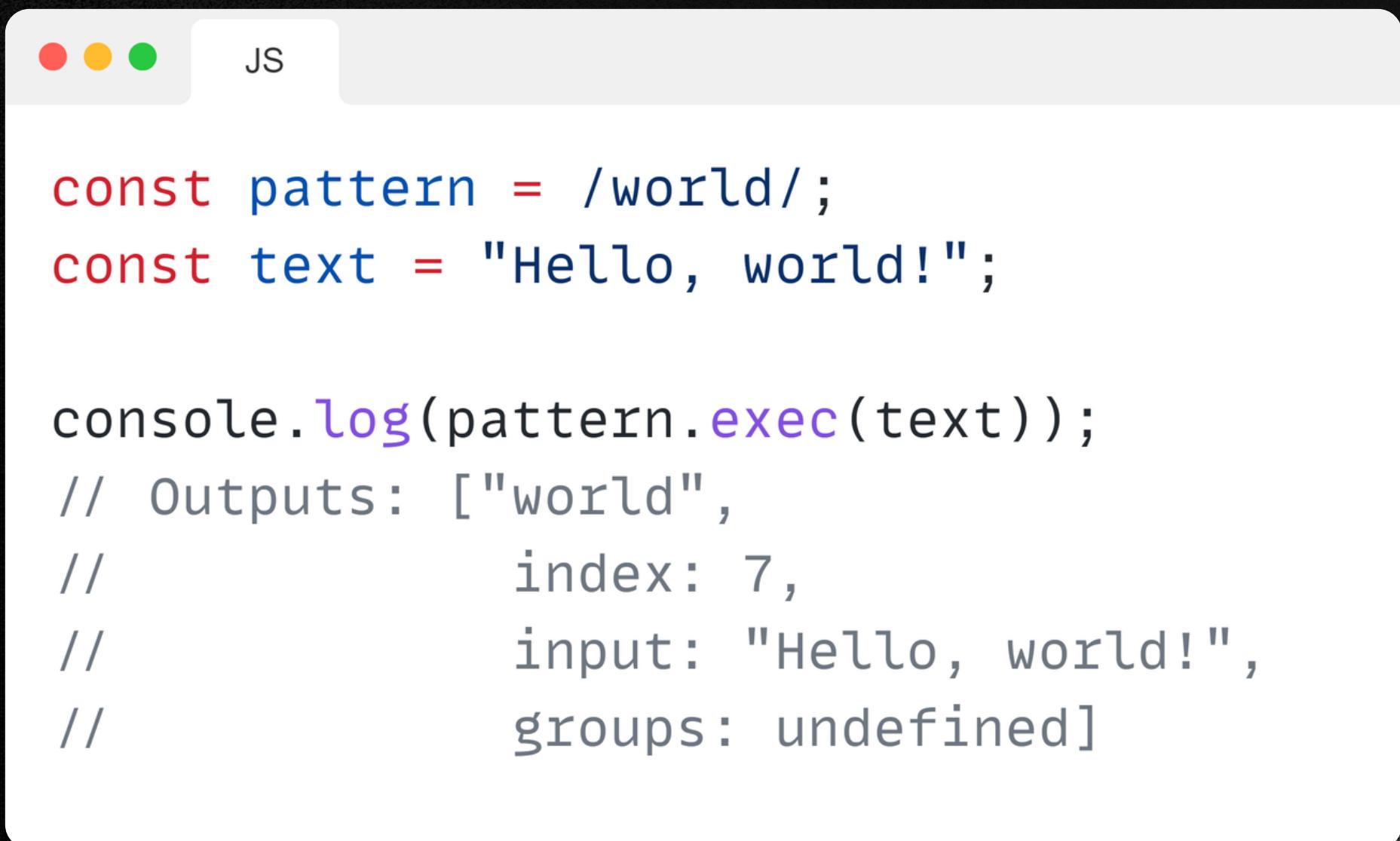
console.log(pattern.test(text));
// Outputs: false

pattern = /Hello/;
console.log(pattern.test(text));
// Outputs: true
```



# exec() Method

- exec() is another method available on RegExp objects that searches a string for a specified pattern.
- It returns an array containing the matched substring, along with additional information about the match, or null if no match is found.



The screenshot shows a browser window with three colored tabs at the top. The active tab is labeled "JS". Below the tabs, there is some code and its output. The code defines a regular expression pattern and a string of text, then logs the result of executing the pattern against the text. The output shows an array with four elements: the matched substring ("world"), its index (7), the input string ("Hello, world!"), and undefined groups.

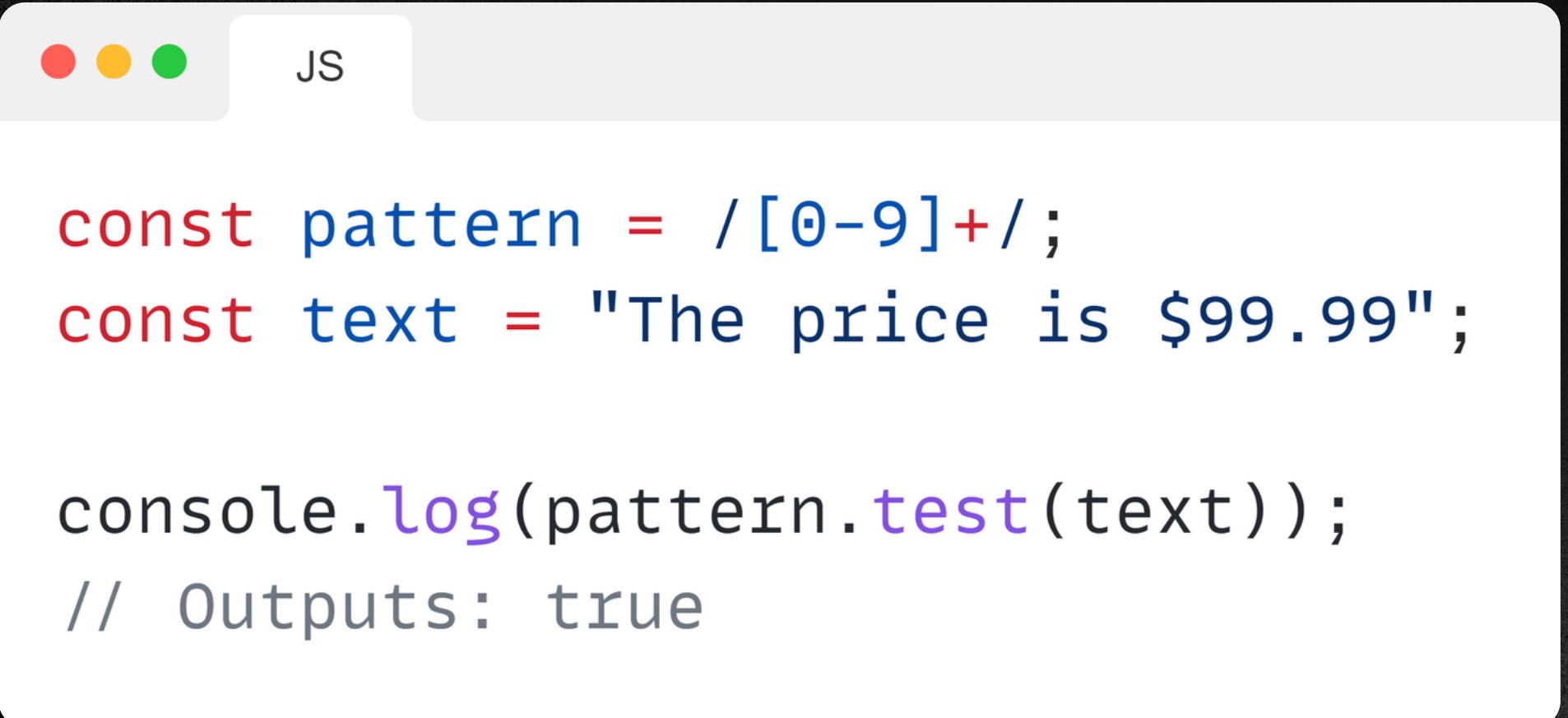
```
const pattern = /world/;
const text = "Hello, world!";

console.log(pattern.exec(text));
// Outputs: ["world",
//           index: 7,
//           input: "Hello, world!",
//           groups: undefined]
```



# Using Regular Expressions

- Regular expressions can contain various components, including literals, character classes, quantifiers, and more, allowing you to define complex matching criteria.

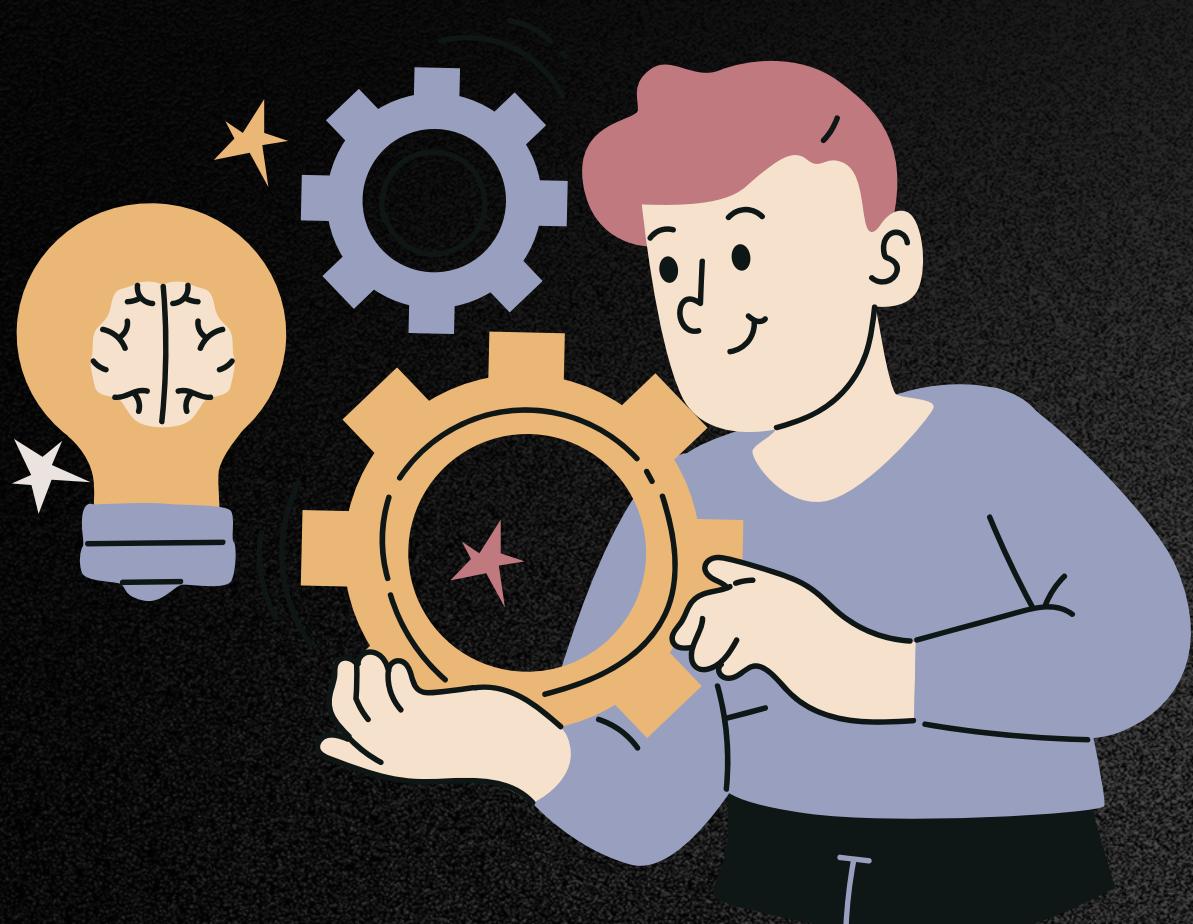
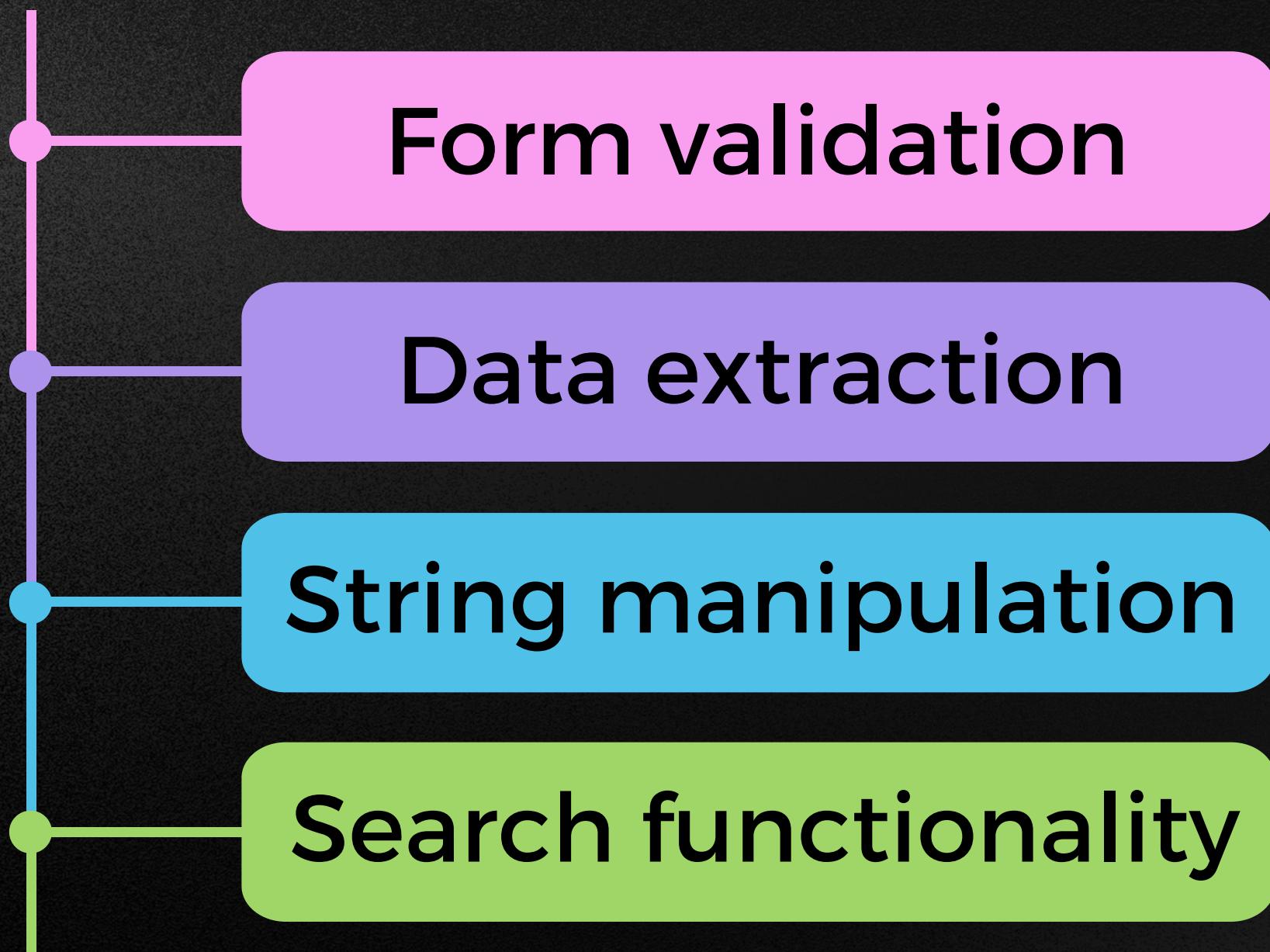


The screenshot shows a browser window with three colored window control buttons (red, yellow, green) at the top left. The tab bar shows the text "JS". The main content area contains the following JavaScript code:

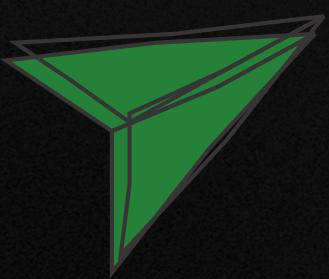
```
const pattern = /[0-9]+/;  
const text = "The price is $99.99";  
  
console.log(pattern.test(text));  
// Outputs: true
```



# Practical Applications



**DID  
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IT  
HELPFUL ?**



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**VINCENT RAJA**  
FULL STACK WEB DEVELOPER