

TAKE 2 MINUTES
TO LEARN
/(reg)ex/



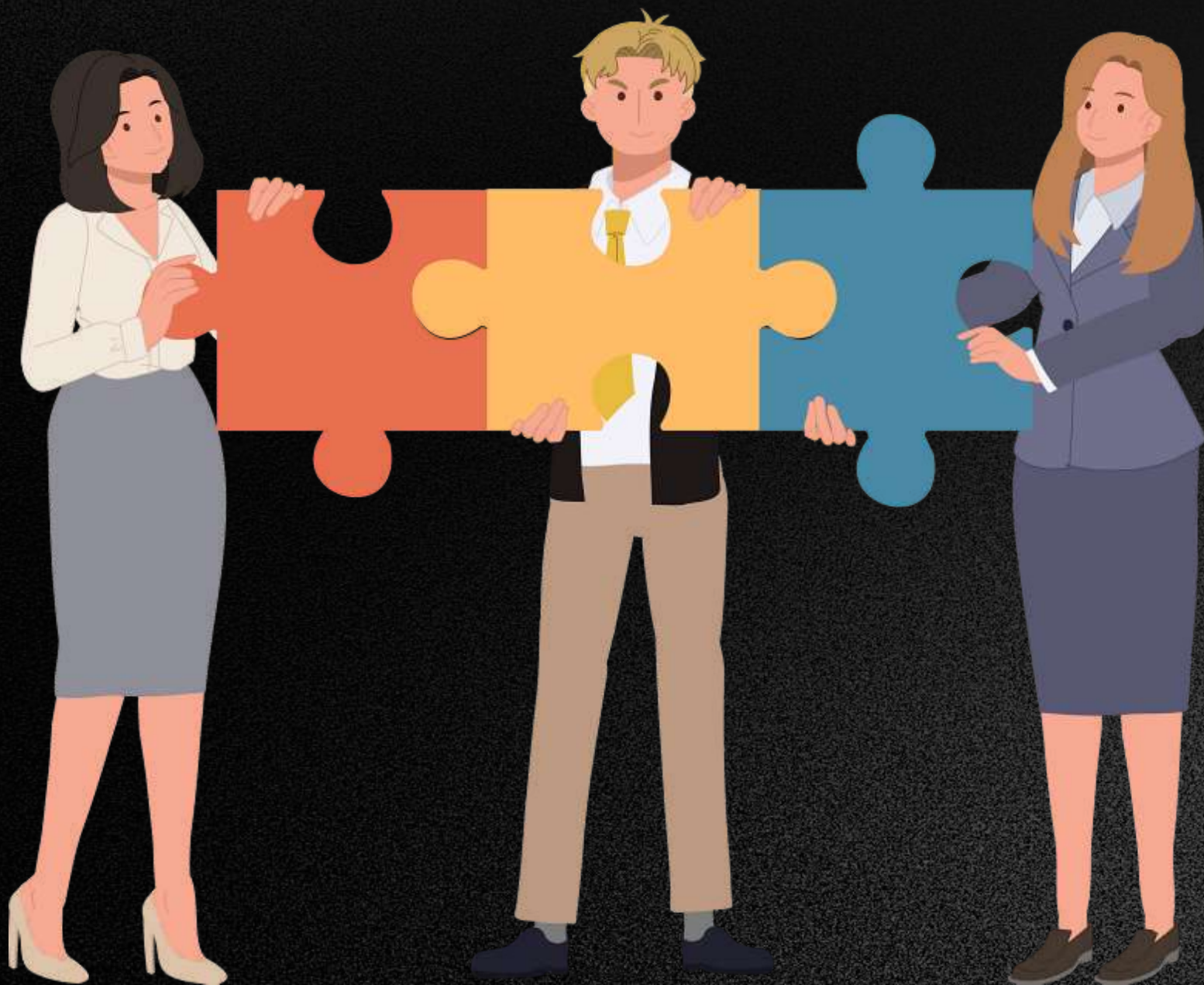
You Must know

[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.

```
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.

```
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.

```
JS

const pattern = /[0-9]+/;
const text = "The price is $99.99";

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



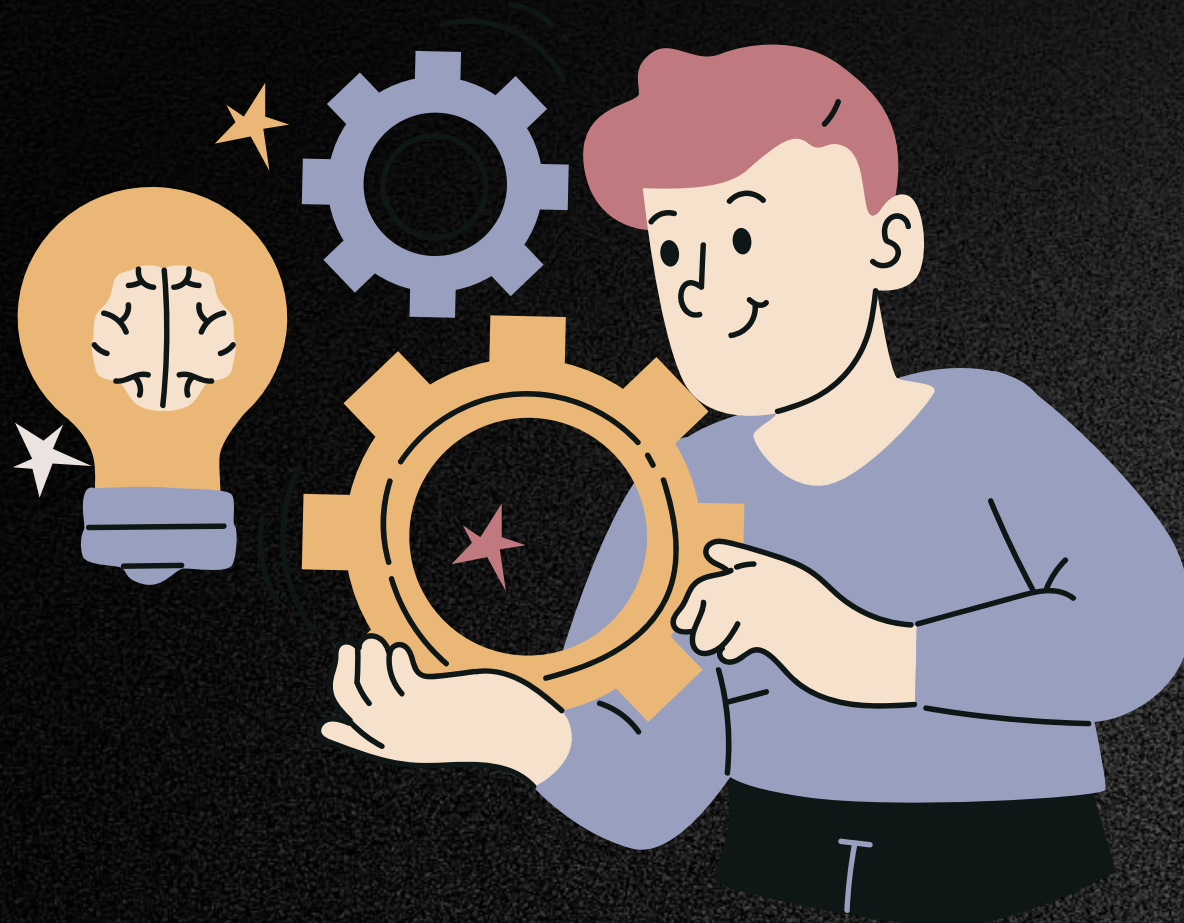
Practical Applications

Form validation

Data extraction

String manipulation

Search functionality



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