



TAKE 2 MINUTES
TO LEARN
JSON.STRINGIFY



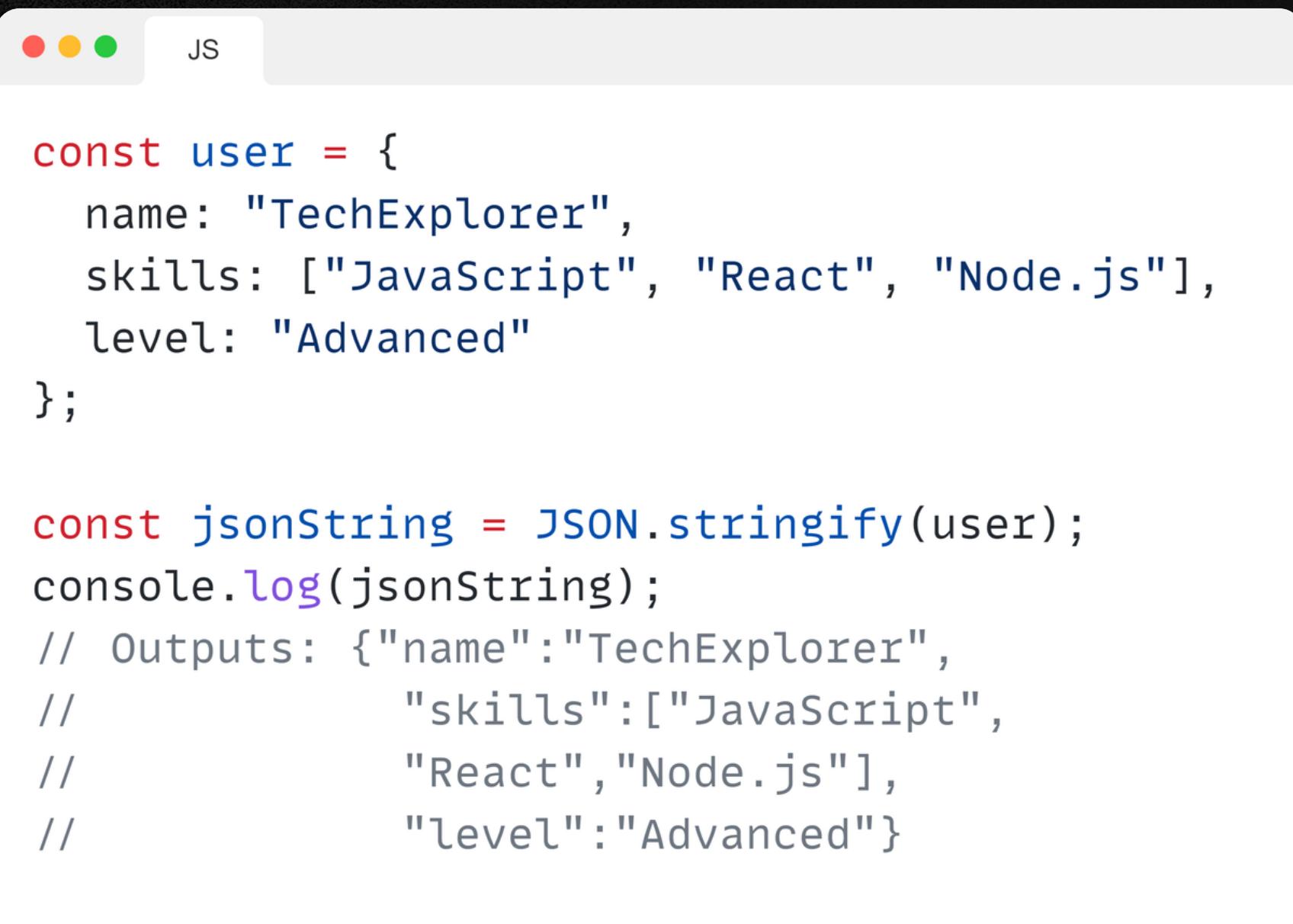
You Must know

[Don't Miss It]



What is JSON.stringify()?

- JSON.stringify() is a built-in method that converts a JavaScript object or value into a JSON string.
- It's a crucial tool for data interchange between a JavaScript application and a server or for storing data in a structured format.



A screenshot of a browser developer tools console window titled "JS". The code shown is:

```
const user = {
  name: "TechExplorer",
  skills: ["JavaScript", "React", "Node.js"],
  level: "Advanced"
};

const jsonString = JSON.stringify(user);
console.log(jsonString);
// Outputs: {"name": "TechExplorer",
//           "skills": ["JavaScript",
//                      "React", "Node.js"],
//           "level": "Advanced"}
```



Nested Objects and Arrays

- `JSON.stringify()` gracefully handles nested structures, ensuring a comprehensive transformation.

```
JS

const book = {
  title: "The Coding Odyssey",
  author: {
    name: "CodeMaster",
    expertise: ["JavaScript", "Python"]
  },
  pages: 300
};

const bookJson = JSON.stringify(book);
console.log(bookJson);
```



Filtering and Formatting

- Customize the conversion process by providing a replacer function or an array of properties to include in the JSON string.

```
const movie = {  
    title: "Tech Wars",  
    genre: "Sci-Fi",  
    rating: 4.5  
};  
  
const formattedJson = JSON.stringify  
    (movie, ["title", "genre"], 2);  
console.log(formattedJson);  
// Outputs:  
// {  
//     "title": "Tech Wars",  
//     "genre": "Sci-Fi"  
// }
```



Handling Functions

- Be cautious with functions in your objects. By default, they are excluded, but you can handle them using the replacer function.

```
const game = {
  title: "CodeQuest",
  platform: "Web",
  play: function() {
    console.log("Game On!");
  }
};

const gameJson = JSON.stringify
(game, (key, value) =>
(typeof value === "function" ? value.toString() : value));
console.log(gameJson);
// Outputs: {"title":"CodeQuest","platform":"Web","play":"
//           function () {console.log(\"Game On!\")}"}
```

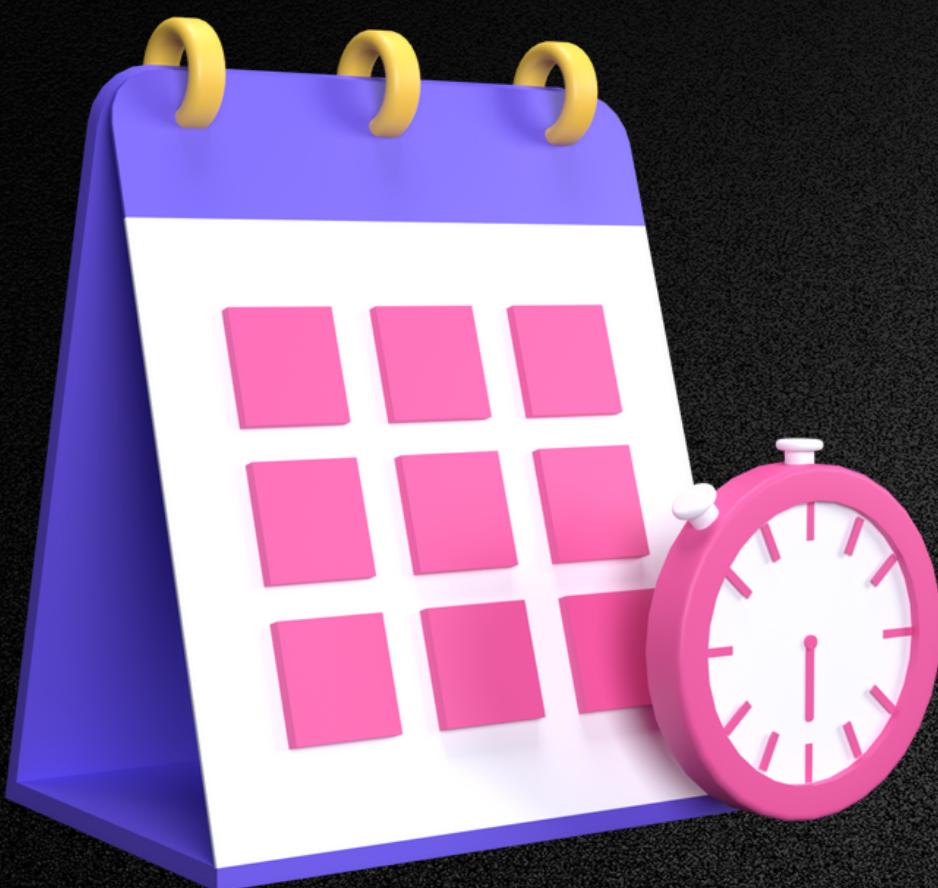


Preserving Date Objects

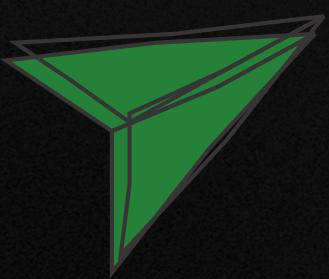
- Dates pose a challenge in serialization.
You can customize the process using the replacer function or the toJSON method.

```
const today = new Date();

const jsonDate = JSON.stringify(today.toJSON());
console.log(jsonDate);
// Outputs: "2023-12-26T12:34:56.789Z"
```



**DID
YOU FIND
IT
HELPFUL ?**



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