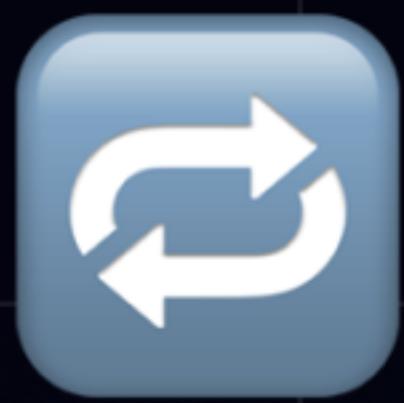


```
const user = { name: "Alex",  
  email: "alex@example.com",  
  // ✅ Save object  
  localStorage.setItem("user", JSON.stringify(user))  
  
  // ✅ Retrieve and parse  
  const storedUser = JSON.parse(localStorage.getItem("user"))
```



# JavaScript Object Tips & Tricks

Local Storage lets you persist strings, tokens, themes, and more, with just a few lines of JS.



# Clone Objects Properly

Avoid accidental reference sharing. Use these methods to create real copies of your objects.

## ⚡Console⚡

```
const user = { name: 'Saad', age: 30 };

// ✗ Incorrect (same reference)
const clone1 = user;

// ✓ Shallow clone
const clone2 = { ...user };

// ✓ Deep clone (safe for most cases)
const clone3 = structuredClone(user);
```



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# Merge Objects Safely

Need to combine multiple objects? Use `Object.assign()` or the spread operator for clean merges.

⚡Console⚡

```
const base = { role: 'User' };
const update = { role: 'Admin', active: true };

// ✅ Merge with spread
const result = { ...base, ...update };
// → { role: 'Admin', active: true }
```



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# Dynamic Property Names

Define keys based on variables using computed property names. Perfect for dynamic object generation.

⚡Console⚡

```
const key = 'status';
const value = 'online';

const obj = { [key]: value };
// → { status: 'online' }
```



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# Remove Falsy Properties

Want a clean object with only truthy values? Filter it like this:

⚡Console⚡

```
const messy = {  
  name: 'Saad',  
  email: '',  
  active: false,  
  age: 0,  
  location: 'Dhaka'  
};  
  
const clean = Object.fromEntries(  
  Object.entries(messy).filter(([_, v]) =>  
    Boolean(v))  
);  
// → { name: 'Saad', location: 'Dhaka' }
```



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# Convert Object to Query Params

Convert objects into URL-friendly query strings – great for API requests.

⚡Console⚡

```
const params = { q: 'books', limit: 10 };

const query = new URLSearchParams(params).toString();
// → q=books&limit=10
```



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## Exam Time!

**Which method deeply clones a JavaScript object without preserving references?**



Comment your answer below



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