

JavaScript

LocalStorage in JavaScript

What is Local Storage?

Local Storage is a web storage feature that allows us to store data in the browser.

Data is stored as **key-value pairs**

Data is saved in **the browser**

Data remains even after:

- Refreshing the page
- Closing the browser
- Restarting the computer

It is part of the **Web Storage API**

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Why Do We Use Local Storage?

- We use it to store:
- User preferences (dark mode, language)
- Login information
- Cart items in e-commerce
- Form data
- Simple application data

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Local Storage Methods

1. **setItem()**

Used to store data.

```
localStorage.setItem("username", "Your Name");
```

2. **getItem()**

Used to get stored data.

```
let name = localStorage.getItem("username");  
console.log(name);
```

3. **removeItem()**

Removes a specific item.

```
localStorage.removeItem("username");
```

4. **clear()**

Removes all data.

```
localStorage.clear();
```

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Storing Objects in Local Storage

Since Local Storage stores only **strings**, we must convert objects to JSON.

Save Object

```
let user = {  
  name: "Any Name",  
  age: 25  
};  
localStorage.setItem("user", JSON.stringify(user));
```

Get Object

```
let data = localStorage.getItem("user");  
let parsedUser = JSON.parse(data);  
  
console.log(parsedUser.name);
```

Thank you