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JS



Local storage

in **JavaScript**

Swipe
for
methods

QUICK READ

The **localStorage** object allows you to **save key/value pairs** in the browser.

Stores data with **no expiration date**, (unlike sessionStorage object which stores data for a session).

The data is **not deleted** when the browser is **closed** (unlike sessionStorage object which deletes the data), and is available for **future** sessions.

Both, localStorage and sessionStorage are mechanisms of **Web Storage API**.

The data is stored in an SQLite file in a subfolder in user's profile



localStorage can be used with 5 methods:

1 **setItem()**

Allows you to **store values** in the localStorage object; accepts 2 parameters: a **key**, a **value**.



```
window.localStorage.setItem('username',  
'CodewithSloba');
```

↑
value

↑
key

Key can be referenced later to **fetch** value attached to it.



In case of arrays or objects, you have to first convert them into strings using `JSON.stringify()`

As localStorage can only store strings .

```
const creds = {  
    username: "CodewithSloba",  
    pw: "followForMore"  
}  
  
window.localStorage.setItem('login',  
    JSON.stringify(creds));
```



2 getItem()

Allows you to **access** the data stored in localStorage.

Simply pass **key as the parameter** and it will return value accordingly.



```
window.localStorage.getItem('login');  
  
// {"username": "CodewithSloba",  
"pw": "followForMore"}
```

Use **JSON.parse()** to convert it back to object.



```
JSON.parse(window.localStorage.getItem('login'));
```



3 removeItem()

Allows you to **remove** the data stored in localStorage.

Simply pass **key as the parameter** and it will remove both, the key and value.
(Does nothing when parameter is left empty)



```
window.localStorage.removeItem('login');
```

4 clear()

Deletes **every item** in the localStorage.



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



5 key()

Allows you to **loop** through the keys and pass an **index** as the parameter to retrieve the name of the key.



```
var keyName = window.localStorage.key(index);
```

REMEMBER

No data protection is assured by the browser hence **don't store sensitive information**.

Size of localStorage is 5MB and localStorage operations are synchronous.



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