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# 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',  
  'CodewithSlobo' );
```

value

key

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


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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 = "CodewithSlobo",  
  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": "CodewithSlobo",  
  "pw": "followForMore"}
```

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



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



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### 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 **dont store sensitive information.**

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



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