localStorage & sessionStorage

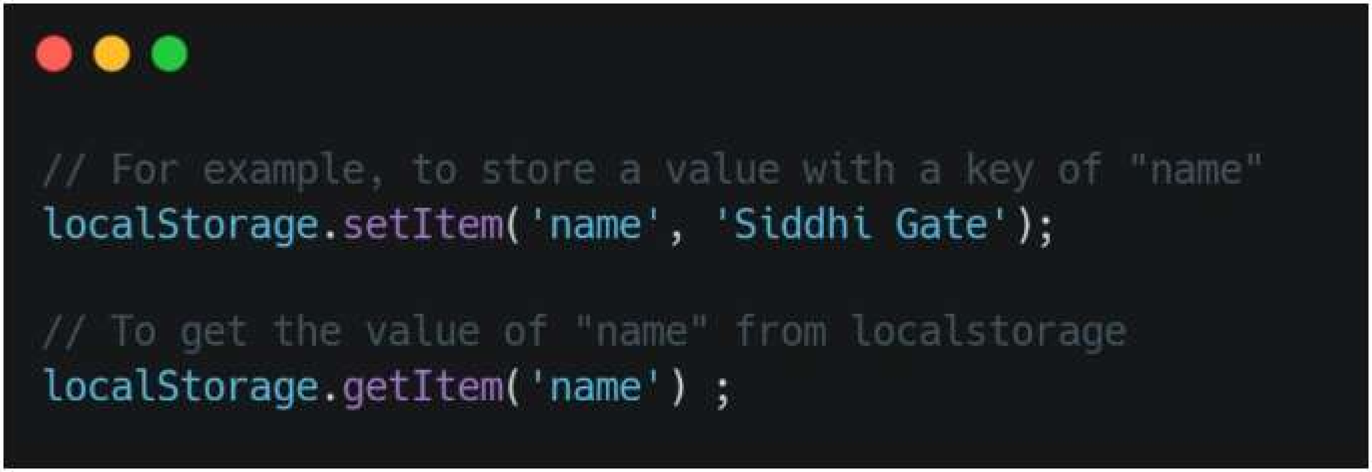
Local Storage	Session Storage
Any window/tab in the same browser and on the same domain	Only accessible in the same window/tab that created it
Data does not expire unless explicitly removed or cleared	Data is cleared at the end of the session
Storing long-term preferences, shopping cart items, etc.	Storing short-term data like user inputs, browsing history, etc

localStorage

Local Storage is a type of browser storage that allows you to store key-value pairs in the browser. The data is stored even when the browser is closed and reopened. This makes it useful for things like user preferences, shopping cart items, and other persistent data.

localStorage

To use Local Storage in JavaScript, you can use the localStorage object, which has methods like setItem, getItem, and removeItem.



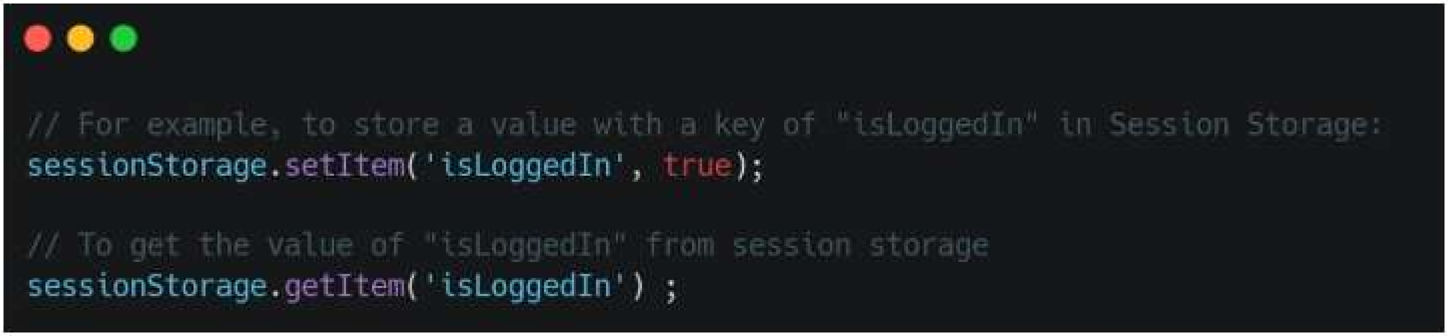
```
// For example, to store a value with a key of "name"
localStorage.setItem('name', 'Siddhi Gate');

// To get the value of "name" from localstorage
localStorage.getItem('name') ;
```

sessionStorage

Session Storage, on the other hand, is similar to Local Storage, but the data is only stored for the duration of the user's session. This means that the data is lost when the tab/window is closed.

sessionStorage

To use Session Storage in JavaScript, you can use the sessionStorage object, which has the same methods as localStorage.



```
// For example, to store a value with a key of "isLoggedIn" in Session Storage:
sessionStorage.setItem('isLoggedIn', true);

// To get the value of "isLoggedIn" from session storage
sessionStorage.getItem('isLoggedIn') ;
```

Limitations

It's important to note that both Local Storage and Session Storage have limits on how much data they can store. In most modern browsers, the limit is around 10MB for both types of storage.

Which to use?

When deciding whether to use Local Storage or Session Storage, consider the nature of the data you're storing.

If the data is important and needs to persist even if the user closes their browser, use Local Storage.

If the data is temporary and can be discarded at the end of the user's session, use Session Storage.

Conclusion

In conclusion, Local Storage and Session Storage are two powerful tools in JavaScript for storing data in the browser. By understanding the differences between the two and when to use them, you can create more efficient and effective web applications.

That' all folks 👋

That's it for today's post on localStorage & sessionStorage in JavaScript! I hope this has been helpful in understanding these concepts 🙌