

How Web Storage Works —

Local Vs Session Storage

Web Storage is an HTML5 feature that allows you to store data in key value pair in browsers.

Types of Web Storage

- Local Storage
- Session Storage

Local Storage

- It can store 5MB of data per app
- Closing browser won't affect data, It stays unless you delete it.

Methods to perform operation on
local Storage Object.

Eg →

```
localStorage.setItem('name', 'deepa');
```

It sets name equal to deepa

```
localStorage.getItem('name') // "deepa"
```

```
localStorage.removeItem('name') →
```

It removes name from localStorage

```
localStorage.clear()
```

localStorage.clear() - Clear whole
localStorage Object.

localStorage.removeItem() → takes in
key as parameter and removes
corresponding key-value pair

Let's see example

```
const scores = [10, 9, 8, 7]
```

```
const scoresJSON = JSON.stringify(scores)
```

```
localStorage.setItem('scores', scoresJSON)
```

localStorage

```
// output → {scores: '[10, 9, 8, 7]', length: 1}
```

Here we have used `JSON.stringify`
so in result we got stringified
array.

If we don't use `JSON.stringify`

```
const scores = [10, 9, 8, 7]
```

```
localStorage.setItem('scores', scores);
```

localStorage

```
// output → {scores: [10, 9, 8, 7], length: 4}
```

Session Storage

It allows you to store data in browser depending on system memory and data stored in system browser until the browser is closed.

Methods are same as local Storage

SessionStorage.setItem() — takes key and value as parameter and set new item in local storage object equal to given key value.

SessionStorage.getItem() — takes in key as parameter and return value stored.

- SessionStorage.removeItem()
- sessionStorage.clear()