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# LocalStorage In Javascript



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# Hey Everyone 🙌

In this Post, we'll learn about the Javascript `localStorage` and how to use the `localStorage` to store persistent data.

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# JavaScript `localStorage`

HTML5 specification introduces the `localStorage` as a way to **store data with no expiration date** in the **web browsers**.

- In other words, the **data stored in the browsers** will persist even after you close the browser windows.
- The data stored in the `localStorage` is **bound to an origin**. It means that the `localStorage` is unique per `protocol://host:port`.

# Accessing localStorage

You can access the `localStorage` via the property of the `window` object:

```
window.localStorage
```

- When you type the **upper code** in the Console.
- ... you'll see the **following object**:

```
Storage {length: 0}
```

# localStorage Methods

localStorage provide some methods and properties.

- **setItem(key, value)**
  - Used to store a name-value pair in the localStorage.

```
localStorage.setItem('theme', 'dark');
```

- **removeItem(key)**
  - Used to remove a name-value pair by a key.

```
localStorage.removeItem('theme');
```

- **getItem(key)**

- Used to get the value by a key.

```
localStorage.getItem('theme'); // 'dark'
```

- **length**

- Used to get the number of name-value pairs.

```
console.log(localStorage.length); // 1
```

# Loop over keys

The following stores three name-value pairs to the `localStorage`:

```
localStorage.setItem('theme', 'light');
localStorage.setItem('backgroundColor', 'white');
localStorage.setItem('color', '#111');
```

- To iterate over name-value pairs, you use the `Object.keys()`.

```
let keys = Object.keys(localStorage);
for (let key of keys) {
  console.log(` ${key}: ${localStorage.getItem(key)} `);
}

// Output
color: #111
theme: light
backgroundColor: white
```

If you have any **queries** then  
let me know in the **comment  
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THANKS FOR YOUR ATTENTION



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