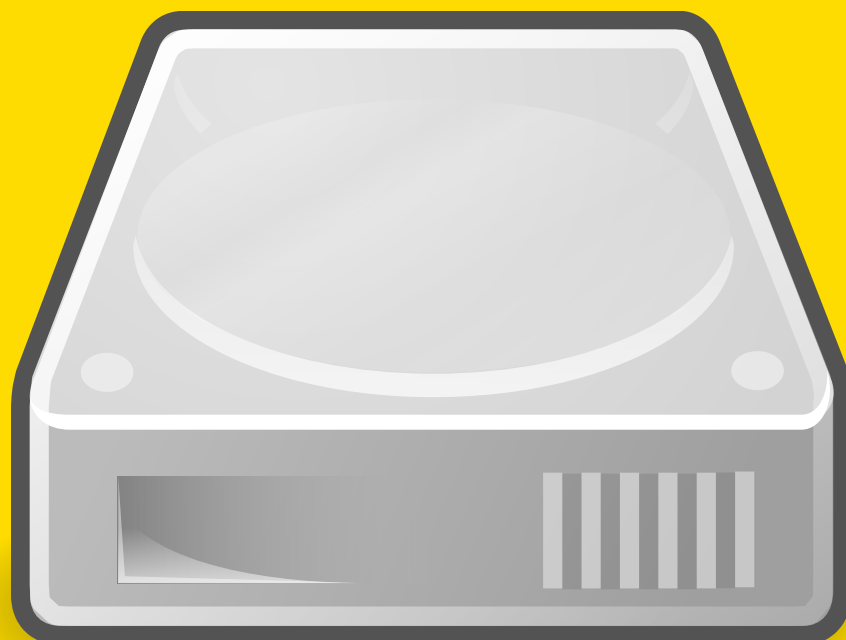# Local Storage Session Storage

Local Storage

- Persistence: Data stored in Local Storage persists even after the browser is closed and reopened.

- Scope: Shared across all tabs and windows from the same origin.

```js
// Set data
localStorage.setItem('username', 'TechExplorer');

// Retrieve data
const username = localStorage.getItem('username');
```

Session Storage

- Persistence: Data stored in Session Storage persists only for the duration of the page session. It's cleared when the tab or browser is closed.

- Scope: Limited to the specific tab or window that created it.

```js
JS

// Set data
sessionStorage.setItem('theme', 'Dark');

// Retrieve data
const theme = sessionStorage.getItem('theme');
```

Shared Methods

- Both Local Storage and Session Storage share common methods for setting, getting, and removing items.

```js
// Remove data
localStorage.removeItem('username');
sessionStorage.removeItem('theme');

// Clear all data
localStorage.clear();
sessionStorage.clear();
```
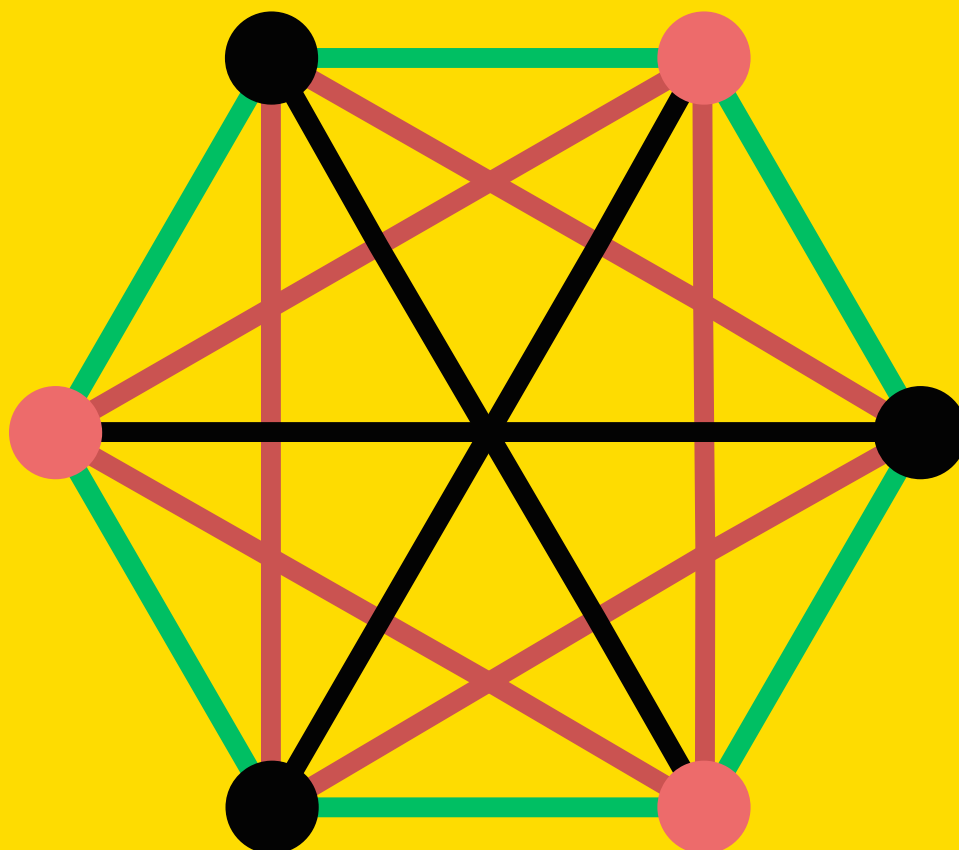
Storing Complex Data Types

- Both storage types store data as strings. To store and retrieve complex objects, use JSON serialization and parsing.

```js
// Storing an object
const userData = { name: 'TechExplorer', role: 'Developer' };
localStorage.setItem('user', JSON.stringify(userData));

// Retrieving the object
const storedUser = JSON.parse(localStorage.getItem('user'));
```

Bonus
Interview Question

What is the storage limit of Local Storage on most browsers?

Local Storage in most browsers has a storage limit of approximately **5MB**.

★★★★★

Keep Exploring Javascript with us!

Share this with a friend who needs it and make sure to practice these in scribbler.

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