Methods to Store Data in the Browser

Local Storage

- `localStorage.setItem('key', value)`
- `localStorage.getItem('key')`
- `localStorage.removeItem('key')`

Session Storage

- `sessionStorage.setItem('key', value)`
- `sessionStorage.getItem('key')`
- `sessionStorage.removeItem('key')`

Cookies

- `document.cookie = "name=Sai; expires=" + new Date(9999, 0, 1).toUTCString();`
- `document.cookie = "lastName=Teja; expires=" + new Date(9999, 0, 1).toUTCString();`

Storage Scope and Browser Dependency

All three storage methods are stored in the user's actual browser (e.g., Google Chrome). However, data saved in one specific browser will not be available in another browser (e.g., Firefox), making it browser-dependent.

Comparison of Local Storage, Session Storage, and Cookies

Feature	localStorage	sessionStorage	Cookies
Sent with requests	No	No	Yes

Feature	localStorage	sessionStorage	Cookies
Expiration	No expiration time (manual deletion required)	Cleared when tab/window is closed	Manually set expiration date
Storage Capacity	10 MB per domain	5 MB per domain	4 KB per cookie
Access	Any window	Same tab/window	Any window
Use Case	Long-term data storage (e.g., user preferences)	Temporary data (form data, session state)	Small data, session identifiers, or tracking info
Storage Location	Browser and server	Browser	Browser