

# Advance Java Script

## Cookies And Storages

<b>Advance Concepts</b>
Session Storage & LocalStorage
Basics of Cookies

### Sessions Storage and Local Storage —

- This feature is added after HTML 5
- Before that we only could store data in cookies, but now we can store data in cookies as well as Local Storage and Session Storage.
- Data is stored in key value pairs.
- We can add items , get items and also can remove items in both local storage and session storage.
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Session Storage and LocalStorage are two types of web storage that allow you to store data on the client side.

- Session Storage is designed to store data that is only relevant for the current browsing session. This means that the data will be deleted when the user closes the browser tab or window. Session Storage is a good option for storing data that you need to keep track of for a short period of time, such as the current user's language preference or the items in their shopping cart.
- Local Storage is designed to store data that is relevant for the current user across multiple browsing sessions. This means that the data will not be deleted when the user closes the browser tab or window. Local Storage is a good option for storing data that you

need to keep track of for a longer period of time, such as the user's login credentials or their favorite settings.

## Difference —

Point	cookie	Local storage	Session storage
capacity	4 kb	10 mb	5 mb
Browser	HTML4 / HTML5	HTML5	HTML5
Accessible form	Any window	Any window	Same tab
expires	Manually set	Never	On tab close
Storage location	Browser and server	Browser only	Browser only
Sent with requests	Yes	No	No
Purpose	For tracking user activity and preferences, and for personalization	For storing data that is relevant for the current user across multiple browsing sessions	For storing data that is only relevant for the current browsing session

## ❖ Cookies —

➤ Cookies are small pieces of data that are stored on the user's computer by a website. Cookies can be used to store a variety of information, such as the user's login credentials, their shopping cart contents, or their browsing preferences.

➤ Here are some of the basic concepts of cookies:

- Cookies are created by the website that the user is visiting.

- Cookies are stored on the user's computer in a text file.
- Cookies can be accessed by the website that created them.
- Cookies can be used to track the user's browsing activity.
- Cookies can be used to remember the user's preferences.
- Cookies can be used to personalize the user's experience on a website.
- Cookies can be a useful tool for websites, but they can also be used to track users and collect personal information without their consent. It is important to be aware of the risks associated with cookies and to use them wisely.
- Here are some tips for using cookies safely:
- Only allow cookies from websites that you trust.
- Read the privacy policy of any website before you allow it to store cookies on your computer.
- Delete cookies regularly from your browser.
- Use a privacy-focused browser extension, such as DuckDuckGo Privacy Essentials, to block third-party cookies.