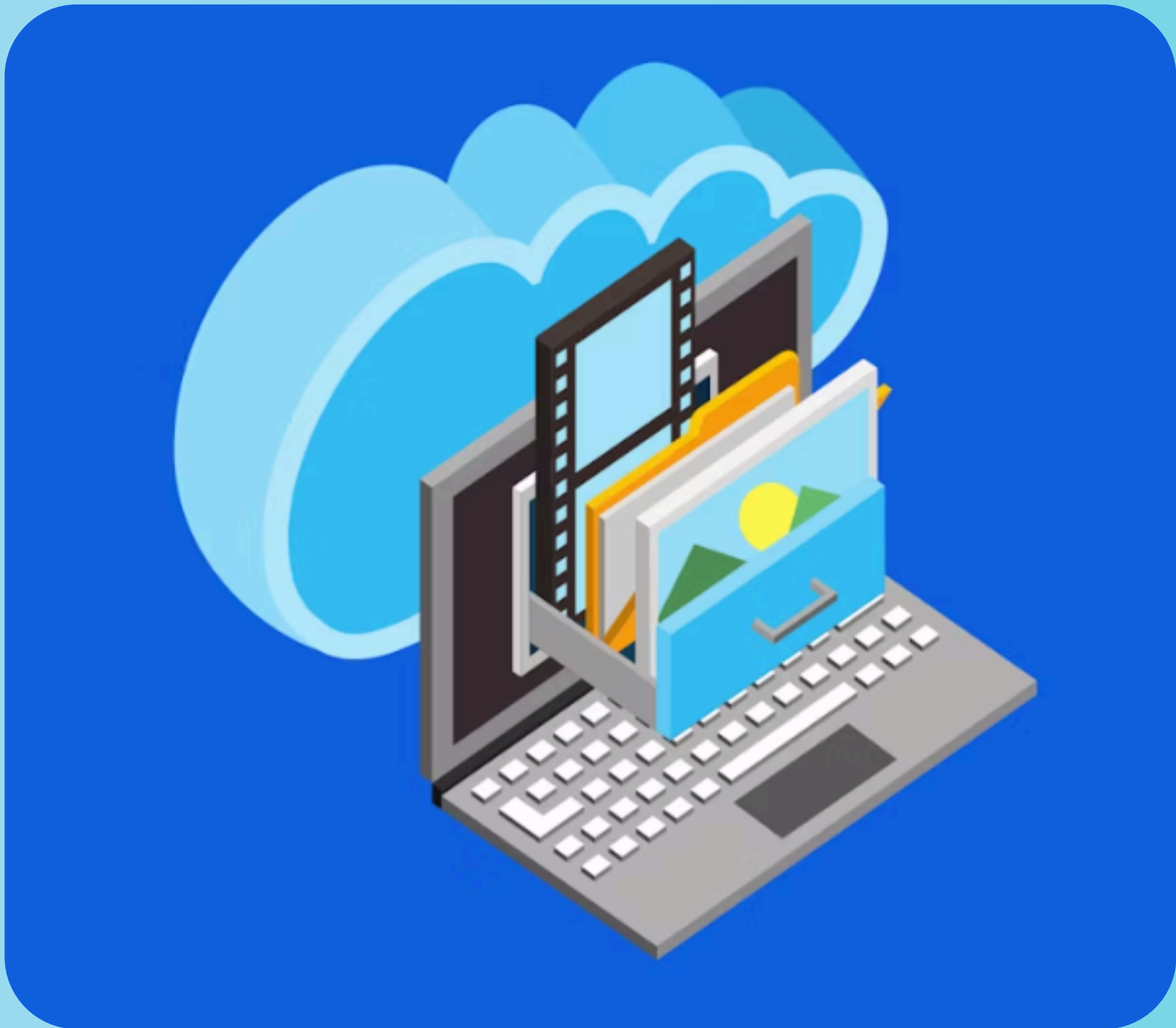


Types of Web Storage



by Shivam Pandey



1. Session Storage

Session Storage allows data to be stored in the browser that will be cleared when the page session ends.



```
// Save data to sessionStorage  
sessionStorage.setItem('name', 'John');  
  
// Get saved data from sessionStorage  
let name = sessionStorage.getItem('name');
```



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2. Local Storage

Local storage is a web storage API that allows JavaScript sites and apps to store key/value data in the browser with no expiration date. The data persists even when the browser is closed and reopened.

```
const user = {  
  name: 'John Doe',  
  age: 30,  
  email: '[john@example.com]'  
  //(mailto:john@example.com)'  
};  
localStorage.setItem('user',  
JSON.stringify(user));
```



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3. Cookies

Cookies are small bits of data stored in the user's browser and sent back to the server with each HTTP request. They were originally designed to enable session state and persistence

💡 **Setting a cookie**

```
document.cookie = "sessionId=38afes7a8; expires=Thu
```

// **Reading cookies**

```
let cookies = document.cookie.split(';');  
let sessionId = cookies.find(cookie =>  
  | cookie.includes('sessionId'));
```



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4. IndexedDB

IndexedDB is a low-level API for client-side storing significant amounts of structured data, including files/blobs. This API uses indexes to enable high-performance searches of this data.

```
// Open database
const request = [indexedDB.open]
("http://indexeddb.open/")( 'notes', 1)");

request.onerror = () => console.error('Database failed to open');

request.onsuccess = () => {

// Get database object
const db = request.result;}
```



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