



Press **Esc** to exit full screen

SLIDE



Session storage

Local storage



PROGRAMMING HERO



Programming Hero

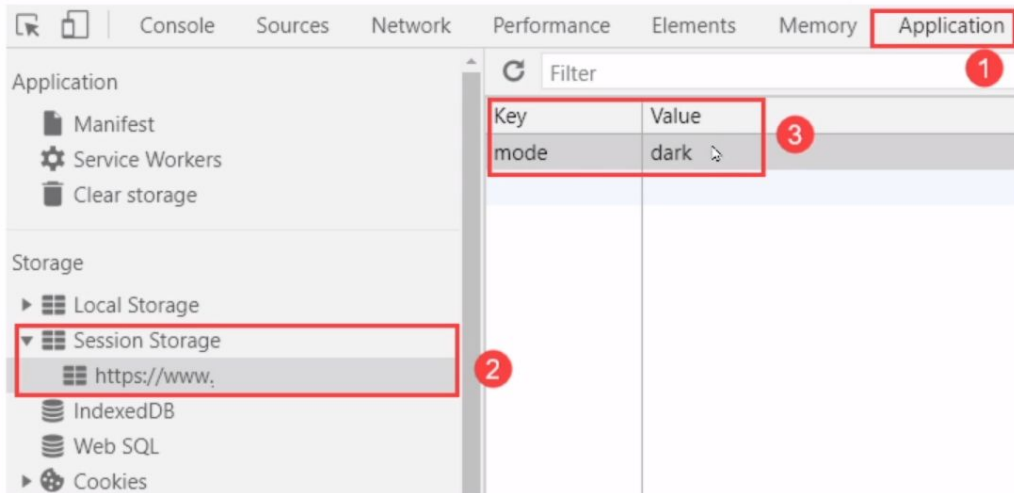


What is Session storage?

- Stores data in browser **for a session**.
- Saves data in **key/value** pairs in the browser.
- Data is **deleted** when the browser is closed.
- Data is **not available** for future sessions.



Example of Session storage



The screenshot shows the Chrome DevTools Application tab. The left sidebar has two main sections: 'Application' and 'Storage'. In the 'Application' section, 'Manifest', 'Service Workers', and 'Clear storage' are listed. In the 'Storage' section, 'Local Storage', 'Session Storage', 'IndexedDB', 'Web SQL', and 'Cookies' are listed. A red box labeled '2' highlights the 'Session Storage' entry. The 'Session Storage' entry is expanded, showing a single item with the key 'mode' and the value 'dark'. A red box labeled '3' highlights this item. The 'Application' tab is selected in the top bar, and a red box labeled '1' highlights the 'Application' tab itself. A 'Filter' input field is visible above the table.

Key	Value
mode	dark



What is local storage?

- Stores data in browser **without any expiration date**.
- Saves data in **key/value** pairs in the browser.
- Data is **not deleted** when the browser is closed.
- Data is **available** for future sessions.



local storage – Parameters, Return value

Parameters

Parameter	Description
key	Required. The name of a key.
value	Required. The value of the key.

Return value

Type	Description
A string	Anything in a string format



Pro Hero



Syntax of local storage

1



```
window.localStorage
```

2



```
localStorage
```



Read data from local storage (single string type data)

```
>> localStorage
```

```
← ▶ Storage { id5id_last: "Wed, 31 Aug 2022 13:34:03 GMT", cto_bundle:  
  "qqTA0F9xwFI5eklPMGpVcTZQb2o2bkvHT04xcnR3Y3BwJTJGZke1aFlRcTNGYnhTb2RoajhSakJ5U3VPWw9tT3lVUVB1Y3AyeXo0dTRrQTdIeUdAvzZVYmg5MiuyRkl6Q2l  
  M0Q", _cc_id: "7cfb481c156e88c534cda39d7613b382", id5id_exp: "Tue, 29 Nov 2022 13:34:03 GMT", _pubCommonId: "a9f2aafd-10b5-4277-bbf:  
  "166170393", clickcount: "8", "_GESPSK-uidapi.com": "[\"uidapi.com\",null,1661927825874,null,null,null,null,false,null]", .
```

```
>> localStorage.getItem("_cc_id");
```

```
← "7cfb481c156e88c534cda39d7613b382"
```

```
let lastname = localStorage.getItem(key);
```



Pro Hero



Read data from local storage (array type data)

```
>> localStorage
```

```
← ▶ Storage { idSid_last: "Wed, 31 Aug 2022 13:34:03 GMT", cto_bundle:
  "qqTA0F9xwFI5eklPMGpVcTZQb2o2bkVHT04xcnR3Y3BwJTJGZKE1aFlRcTNGYnhTb2RoajhSakJ5U3VPWw9tT3lVUVB1Y3AyeXo0dTRrQTdIeUdAvzZVYmg5MiuyRkl6Q2l
  M0Q", _cc_id: "7cfb481c156e88c534cd039d7613b382", idSid_exp: "Tue, 29 Nov 2022 13:34:03 GMT", _pubCommonId: "a9f2aafd-10b5-4277-bbf:
  1662014170393", clickcount: "8", "_GESPSK-uidapi.com": "[\"uidapi.com\",null,1661927825874,null,null,null,null,null,false,null]", .
```

```
>> localStorage.getItem("_GESPSK-uidapi.com");
```

```
← "[\"uidapi.com\",null,1661927825874,null,null,null,null,null,false,null]"
```

```
>> JSON.parse(localStorage.getItem("_GESPSK-uidapi.com"))
```

```
← ▶ Array(10) [ "uidapi.com", null, 1661927825874, null, null, null, null, null, false, null ]
```



Pro Hero



Save data to local storage

Inspector Console Debugger

Filter Output

```
>> localStorage.setItem('lastname', 'Moyna');
```

<

```
>> localStorage.setItem('age', 32);
```

Inspector Console Debugger Network Style Editor Performance Memory Storage Accessibility App

Cache Storage

Cookies

https://carbon.now.sh

Indexed DB

Local Storage

https://

Session Storage

Filter Items

Key	Value
age	32
lastname	Moyna

```
localStorage.setItem(key, value);
```



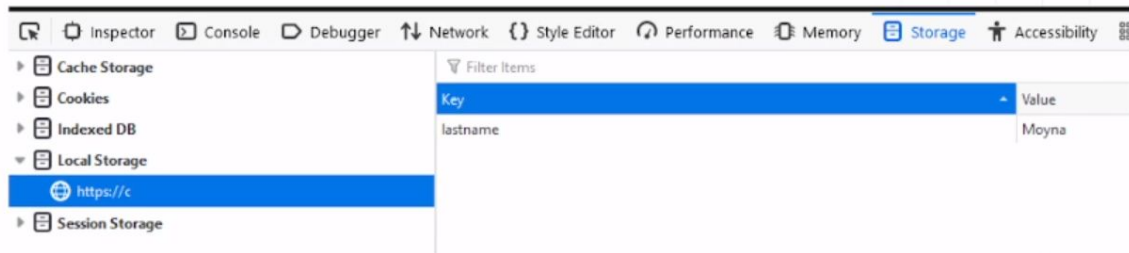
Pro Hero



Remove data from local storage

```
>> localStorage.removeItem('age')
```

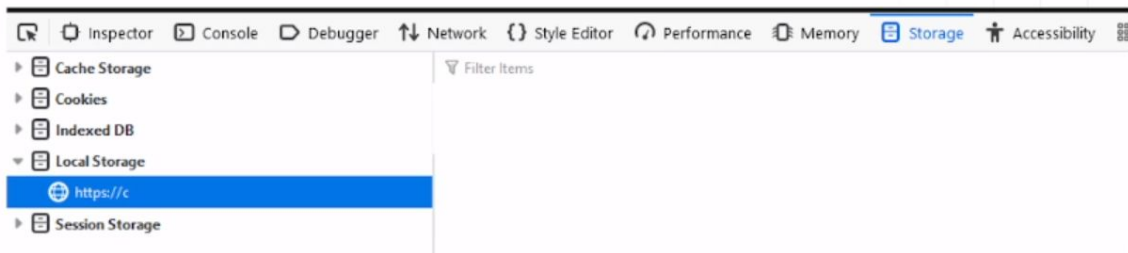
```
localStorage.removeItem(key);
```



Remove all - clear local storage

```
>> localStorage.clear()
```

```
localStorage.clear();
```



Cookies vs Local Storage vs Session Storage

	Cookies	Local Storage	Session Storage
Expires	Manually set	Never	On tab close
Storage Location	Browser and server	Browser only	Browser only
Sent with requests	Yes	No	No
Capacity	4kb	10mb	5mb
Browsers	HTML4 / HTML 5	HTML 5	HTML 5



Interview Questions

PAGE 12

- How does Browser works?
- What is rerender in Browser?
- What is the difference between an alert box and a confirmation box?
- What are JavaScript Cookies?
- Difference between local storage and Session storage.
- What should you use? cookie or local storage or session storage?
- Tell me 2 differences between DOM vs BOM.
- Can you discuss the types of browser API?





Thank you!

