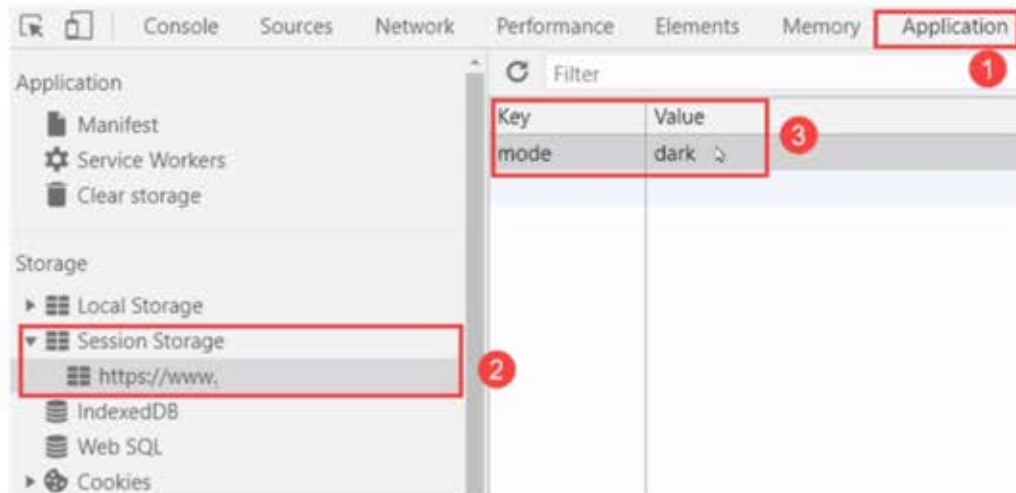# Session storage
Local storage

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

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

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:
  "qqTA0F9xWFI5eklPMGpVcTZQb2o2bkVHT04xcnR3Y3BwJTJGZkE1aFlRcTNGYnhTb2RoajhSakJSU3VPWw9tT3lVUVB1Y3AyeXo0dTRrQTdIeUdaVzZVYmg5MiUyRkl6Q2l
  M0Q", _cc_id: "7cfb481c156e88c534cda39d7613b382", id5id_exp: "Tue, 29 Nov 2022 13:34:03 GMT", _pubCommonId: "a9f2aafd-10b5-4277-bbf
  "16???170393", clickcount: "8", "_GESPSK-uidapi.com": "[\"uidapi.com\",null,1661927825874,null,null,null,null,null,false,null]", .

```
» localStorage.getItem("_cc_id");
← "7cfb481c156e88c534cda39d7613b382"
```

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

Read data from local storage (array type data)

```
>> localStorage
←  ▶ Storage { idSid_last: "Wed, 31 Aug 2022 13:34:03 GMT", cto_bundle:
   "qqTA0F9xWFI5eklPMGpVcTZQb2o2bkVHT04xcnR3Y3BwJTJGZkE1aFlRcTNGYnhTb2RoajhSakJ5U3VPWw9tT3lVUVB1Y3AyeXo0dTRrQTdIeUdaVzZVYmg5MiUyRkl6Q2I
   M0Q", _cc_id: "7cfb481c156e88c534cda39d7613b382", 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 ]
```
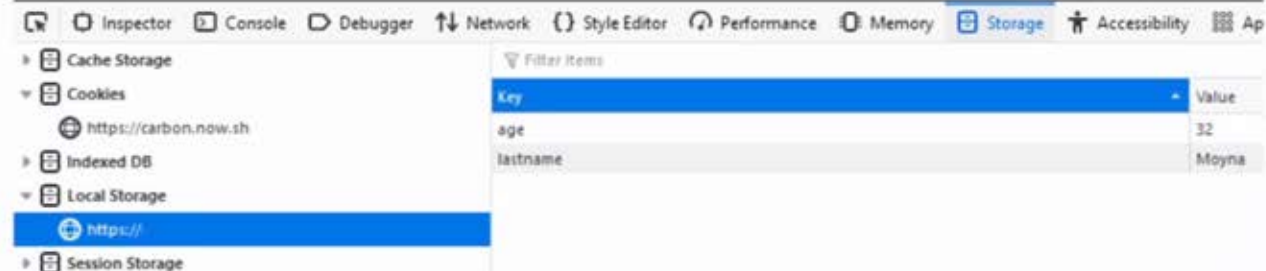
Save data to local storage


```
>> localStorage.setItem('lastname','Moyna');
←
>> localStorage.setItem('age',32);
```
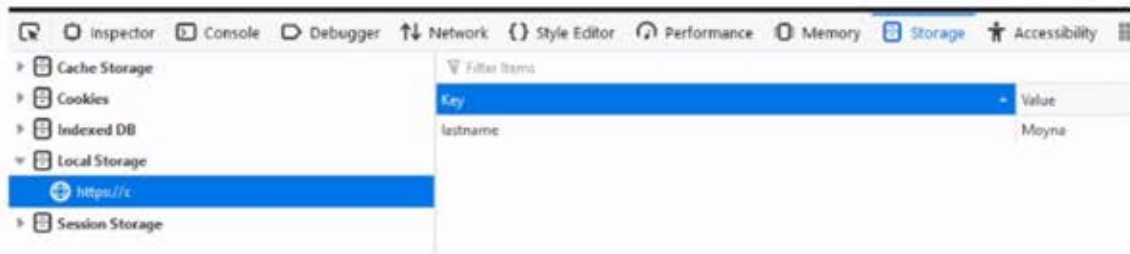
```
localStorage.setItem(key, value);
```

Remove data from local storage

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

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

	Inspector	Console	Debugger	Network	Style Editor	Performance	Memory	Storage	Accessibility	

▶ Cache Storage
▶ Cookies
▶ Indexed DB
▼ Local Storage
   ⊕ https://c
▶ Session Storage

▼ Filter Items

Key	Value
lastname	Moyna

Remove all - clear local storage

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

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

Inspector	Console	Debugger	Network	Style Editor	Performance	Memory	Storage	Accessibility

▸ Cache Storage
▸ Cookies
▸ Indexed DB
▾ Local Storage
　🌐 https://c
▸ Session Storage

▽ Filter Items

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

- 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!