

## Cookies In javascript:

```
647  /*cookies*/
648  document.cookie = "item = milk; expires=Sat, 31 Aug 2023 01:00:00 UTC";
649  document.cookie = "user = Atish";
650  document.cookie = "item = milk,bread,eggs; expires=Sat, 31 Aug 2023 01:00:00
    UTC";
651  let x = document.cookie;
652  console.log(x);
```

## Web Storage, Local Storage, Session Storage:

Name	Cookies	Local Storage	Session Storage
Storage Capacity	4kb	10mb	5mb
Browsers	HTML4/HTML5	HTML5	HTML5
Accessible From	Any Window	Any Window	Same Tab
Expires	Manually Set	Never	On Tab Close
Storage Location	Browser & Server	Browser	Browser
Sent With Request	Yes	No	No

```
663  localStorage.setItem('FirstName','AtishKumarSahu');
664  localStorage.setItem('Location','India');
665  localStorage.setItem('didnien','wndiwd');
666  localStorage.removeItem('didnien');
667  console.log(localStorage.getItem('Location'));
668
669  sessionStorage.setItem('FirstName','AtishKumarSahu');
670  console.log(sessionStorage.getItem('FirstName'));
671  sessionStorage.removeItem('FirstName')
```

## JSON(javascript Object Notation):

JSON is a text format for storing and transporting data. It is commonly used for API & config files. JSON syntax is derived from javascript object notation syntax:

Data is in name/value pairs, data is separated by commas, curly braces hold objects, square brackets hold arrays. JSON is language independent (code for reading and generating JSON exists in many programming languages.). Earlier XML was used instead of JSON. JSON is faster in terms of data parsing. JSON is cleaner than XML. JSON is light weight than XML. Easy read to read and write.

```

679 let datastr1 = `{
680     "name" : "USER1",
681     "age" : 28,
682     "position": "java developer",
683     "student" : false,
684     "passport" : null,
685     "p_lang": ["java", "python", "c", "c++", "web dev"],
686     "address" : {
687         "city" : "BAM",
688         "Dist" : "Gaj",
689         "Coun": "Inida",
690         "pin": 76010,
691         "phone": 1234567890
692     }
693 }`;
694 let datao = JSON.parse(datastr1);
695 console.log(datao);
696 console.log(datao['age']);
697 console.log(datao['p_lang'][1]);
698 console.log(datao['address']['phone']);
699
700 let student = {
701     name: "Atish Kumar Sahu",
702     age: 22,
703     city: "Bam"
704 }
705 let jdata = JSON.stringify(student);
706 console.log(jdata);

```

```

AKSJS > {} PSC.json > ...
1  {
2  "name" : "USER1",
3  "age" : 28,
4  "position": "java developer",
5  "student" : false,
6  "passport" : null,
7  "p_lang": ["java", "python", "c", "c++", "web dev"],
8  "address" : {
9      "city" : "BAM",
10     "Dist" : "Gaj",
11     "Coun": "Inida",
12     "pin": 76010,
13     "phone": 1234567890
14 }
15 }

```

```

C.js  x
s > JS PSC.js > ...
// console.log(screen.orientation);

function Func() {
    fetch("PSC.json")
        .then((res) => {
            return res.json();
        })
        .then((data) => console.log(data));
}

const sample = require('./PSC.json');
console.log(sample);

```

```
PS E:\HTML_CSS_JS\AKSJS> node PSC.js
{
  name: 'USER1',
  age: 28,
  position: 'java developer',
  student: false,
  passport: null,
  p_lang: [ 'java', 'python', 'c', 'c++', 'web dev' ],
  address: {
    city: 'BAM',
    Dist: 'Gaj',
    Coun: 'Inida',
    pin: 76010,
    phone: 1234567890
  }
}
PS E:\HTML_CSS_JS\AKSJS> 
```

```
JS demo.js > ...
1  const prompt = require("prompt-sync")();
2  const obj = {
3    name: "Username",
4    age: 21,
5    flag: true,
6    place: "Bangalore",
7    number: 1234567890
8  };
9  let jobj = JSON.stringify(obj);
10 console.log(jobj);
```

```
PS E:\HTML_CSS_JS> node demo.js
{"name":"Username","age":21,"flag":true,"place":"Bangalore","number":1234567890}
PS E:\HTML_CSS_JS> 
```