

Assignment – 10

Summary:

In today's class, the instructor talked about JSON, which is used for data representation. JSON format is very simple in understanding. The instructor showed us how JSON uses key-value pairs to organize data, by explaining its syntax. The structure of JSON resembles the object but they both have differences.

We also learned how to access the properties of JSON using dot notation or square brackets. To make JSON data look neater and easier to follow, the instructor mentioned JSON formatters – tools that tidy things up. As a practical example, we looked at Flipkart data represented in JSON. It was like organizing information in a way that computers and programs can easily talk to each other.

Practice:

```
JavaScript + No-Library (pure JS)
1 let details = [
2   {
3     "image": "",
4     "title": "Dell Laptop",
5     "specification": "512 GB Hard disk",
6     "actualPrice": 50000,
7     "offerPrice": 2000,
8     "finalPrice": 48000,
9     "ratings": 4,
10    "fAssured": true
11  },
12  {
13    "image": "",
14    "title": "HP Laptop",
15    "specification": "512 GB Hard disk",
16    "actualPrice": 40000,
17    "offerPrice": 2000,
18    "finalPrice": 38000,
19    "ratings": 3.8,
20    "fAssured": false
21  }
22 ];
23
24 console.log('Name of item is: ${details[0].title}');
25 console.log('Price of the item = ${details[0].actualPrice}');
```

```
Console (beta) 2
"Running fiddle"
"Name of item is: Dell Laptop"
"Price of the item = 50000"
```

```
26
27
28
29 let employees = {
30   "employees": [
31     {"firstName": "John", "lastName": "Doe"},
32     {"firstName": "Anna", "lastName": "Smith"},
33     {"firstName": "Peter", "lastName": "Jones"}
34   ]
35 };
36
37 // Looping
38 let e = employees.employees;
39 for(let i = 0; i < e.length; i++) {
40   console.log('Full Name is: ${e[i].firstName} ${e[i].lastName}');
41 }
```

```
Console (beta) 5
"Running fiddle"
"Name of item is: Dell Laptop"
"Price of the item = 50000"
"Full Name is: John Doe"
"Full Name is: Anna Smith"
"Full Name is: Peter Jones"
```