**PASTIE BIN**

DATE : 15/9/22

//Object

//JSON

//Array of JSON

//Copy by value and reference

var obj={

name:"johndoe",

age:23,

salary:33.33

};

//i want to add a new key pair

//gender:male

//Syntax:objectname.keyname=value

obj.gender="male";

obj.attendance=["mon","tue","wed"];

console.log(obj);

for(var i in obj){

console.log(i,obj[i]);

}

//how the nested objects can be accessed

var obj={

name:"johndoe",

age:23,

salary:33.33

};

//i want to add a new key pair

//gender:male

//Syntax:objectname.keyname=value

obj.gender="male";

obj.attendance={

day:"monday"

};

console.log(obj.attendance.day);

//similar to object but not object

//JSON:javascript object Notation

//JSON

var obj1={

"name":"john doe",

"age":"23",

"salary":"33.33"

};

console.log(obj1.name);

for(var key in obj1){

console.log(key,obj1[key]);

}

//Array Of Json Objects

var arr=[{"name":"john","age":"23"},{"name":"tina","age":"24"}];

for(var i=0;i<arr.length;i++){

console.log(arr[i].name);

}

//dATA

var arr=[

{

"id": 1,

"title": "sunt aut facere repellat provident occaecati excepturi optio reprehenderit",

},

{

"id": 2,

"title": "qui est esse"

},

{

"id": 3,

"title": "ea molestias quasi exercitationem repellat qui ipsa sit aut"

},

{

"id": 4,

"title": "eum et est occaecati"

}];

for(var i=0;i<arr.length;i++){

console.log(arr[i].id,arr[i].title);

}

//array index

for(var i=0;i<arr.length;i++){

//arr[i] means the object at the particular index

for( var key in arr[i]){

console.log(key,arr[i][key]);

}

//Copy by value: are applicable to primitive data types

var a=23;

var b=a;

a=24;

var b=a;

console.log(a,b);

//Copy by value: are applicable to primitive data types

var a=23;

var b=a;

a=24;

var b=a;

console.log(a,b);

//Copy by reference; are applicable to complex/user defined data types

var arr=[23,24,25,26];

var arr1=arr;

arr1[0]=456;

console.log(arr1[0]);

Date :16/09/2022

1. <!DOCTYPE html>
2. <html lang="en">
3. <head>
4. <meta charset="UTF-8">
5. <meta http-equiv="X-UA-Compatible" content="IE=edge">
6. <meta name="viewport" content="width=device-width, initial-scale=1.0">
7. <title>Document</title>
8. </head>
9. <body>
10. <script src="script.js"></script>
11. </body>
12. </html>
13. //XHR:xml-http request
14. //Need to XHR: to extract the values from the API via client and server interaction
15. //interaction between client and server via API
16. //Step 01:create an XHR Object
17. var request=new XMLHttpRequest();
18. //here request is a user defined variable
19. //new is a inbuilt word.it creates the objects
20. //XML-Extended Markup language
21. //Step 02:initate a request
22. //Opening a request
23. //what type of request we are providing
24. //2 parameters
25. //HTTP method:
26. //URL
27. request.open("GET","https://restcountries.com/v2/all");
28. //Step 03:sending the request
29. //pushing
30. request.send();
31. //Step 04:once the data successfully loaded from server
32. //Status code :200
33. //event :it is a specific work
34. //onload event:it helps us to load the event
35. //functions:to perform a specific task
36. request.onload=function(){
37. var result=JSON.parse(request.response);
38. console.log(result);
39. };
40. //1. Print all the 250 country names in the console

29-09-2022

1. HTML5
2. HTML4
3. video/audio/gps locations
4. HTML boiler plate
5. self as well as non-self closing tags
6. <meta charset="UTF-8">:self closing tags
7. <html></html>:non self closing tags
8. Important Terminologies:
9. Element:it is a combination of tag+content
10. <p>:represents the paragraph tag</p>
11. automatically browser add some spaces
12. to differenciate
13. h1-h6 :heading tags
14. <h1>this is guvi</h1>
15. <h2>this is h2</h2>
16. <h3>this is h3</h3>
17. <h4>this is h4</h4>
18. <h5>this is h5</h5>
19. <h6>this is h6</h6>
20. a tag: represents the redirection
21. a tag: represents the redirection
22. attribute: an additional information about tag
23. href:this is a attribute which consist of the link which has to be redirected
24. target:\_blank this represents it has to be opened in new tab
25. target represents where the URL has to be displayed
26. <!DOCTYPE html>
27. <html lang="en">
28. <head>
29. <meta charset="UTF-8">
30. <meta http-equiv="X-UA-Compatible" content="IE=edge">
31. <meta name="viewport" content="width=device-width, initial-scale=1.0">
32. <title>myfirstpage</title>
33. </head>
34. <body>
35. <label for="email">Email</label><br>
36. <input type="email" name="" id="email" placeholder="email"><br>
37. <label for="pass">Password</label><br>
38. <input type="password" name="" id="pass"><br>
39. </body>
40. </html>
41. //1.create a httml form element which consist of following fields
42. 1.firstname
43. 2.middlename
44. 3.lastname
45. 4.email
46. 5.passowrd
47. 6.to upload a file image

11-10-2022

1. //To create any HTML element Dynamically we need to have 3 steps
2. //Step 01: use an Inbuilt method called document.createElement("elementname");
3. //it takes tag name as a parameter
4. //it returns the html element
5. var ele=document.createElement("div");
6. //<div></div>
7. //Step 02:adding the Content
8. //innerHTML property :this is a property that helps us to add the contnet
9. //to the dynamically created HTML tag
10. ele.innerHTML="this is a element";
11. //<div>this is element</div>
12. //step 03:element has to be displayed so we are adding the created element
13. //to body of document
14. document.body.append(ele);
15. var ele=document.createElement("div");
16. ele.innerHTML="<span>this is span</span>";
17. // ele.innerText="<span>this is span</span>";
18. document.body.append(ele);
19. //Properties:
20. //innerHTML property
21. //if you want to nest (one inside the other )
22. //use innerHTML
23. //if you give one html element inside the innerHTML
24. //it will parses that HTML element
25. //innerText:it will consider the tag also as a content
26. var ele=document.createElement("div");
27. ele.innerHTML=`
28. <p>this is p</p>
29. <span>this is span</span>
30. `;
31. // ele.innerText="<span>this is span</span>";
32. document.body.append(ele);
33. //Properties:
34. //innerHTML property
35. //if you want to nest (one inside the other )
36. //use innerHTML
37. //if you give one html element inside the innerHTML
38. //it will parses that HTML element
39. //innerText:it will consider the tag also as a content
40. //Applying CSS:
41. // var ele=document.createElement("div");
42. // ele.innerHTML="this is div";
43. // ele.style.backgroundColor="green";
44. // document.body.append(ele);
45. //Attribute ?
46. //to add attribute to the HTML element we use setAttribute Method
47. //this method takes 2 parameters
48. //setAttribute("class/idname","value");
49. var ele=document.createElement("div");
50. ele.innerHTML="this is div";
51. ele.setAttribute("class","main5");
52. //if you wanted to add multiple class names to the same element
53. ele.classList.add("main1","main2","main3");
54. document.body.append(ele);
55. //convert it into DOM code
56. <div class="main">
57. <span class="main1">
58. this is span
59. </span>
60. </div>
61. var div=document.createElement("div");
62. div.setAttribute("class","main");
63. var span=document.createElement("span");
64. span.setAttribute("class","main1");
65. span.innerHTML="this is span";
66. //parent.append(child);
67. div.append(span);
68. document.body.append(div);
69. //Assigment 01 using second method convert it into DOM
70. <div class="container">
71. <div class="row">
72. <div class="col">this is col</div>
73. </div>
74. </div>

12-02-2022

1. //Nesting of elements
2. var container=document.createElement("div");
3. container.setAttribute("class","container");
4. var row=document.createElement("div");
5. row.setAttribute("class","row");
6. var col=document.createElement("div");
7. col.setAttribute("class","col-1");
8. col.innerHTML="this is col";
9. var col1=document.createElement("div");
10. col1.setAttribute("class","col-1");
11. col1.innerHTML="this is col";
12. row.append(col,col1);
13. container.append(row);
14. document.body.append(container);
15. //append method can append multiple elements to a single element
16. <label for="email">Mail</label><br>
17. <input type="email" id="email"><br>
18. <button>Clickme</button>
19. //in DOM
20. var label=document.createElement("label");
21. label.setAttribute("for","email");
22. label.innerHTML="Mail";
23. var br1=document.createElement("br");
24. var input=document.createElement("input");
25. input.setAttribute("type","email");
26. input.setAttribute("id","email");
27. var br2=document.createElement("br");
28. var button=document.createElement("button");
29. button.innerHTML="Click Me";
30. document.body.append(label,br1,input,br2,button);
31. //functions: it helps to remove the repeatative code
32. var label=createlabels("label","for","email","EmailId");
33. var br1=createlinebreak("br");
34. var input=createinput("input","type","email","id","email");
35. var br2=createlinebreak("br");
36. var password=createlabels("label","for","pass","Password");
37. var br3=createlinebreak("br");
38. var passinput=createinput("input","type","password","id","pass");
39. var br4=createlinebreak("br");
40. document.body.append(label,br1,input,br2,password,br3,passinput,br4);
41. function createlabels(tagname,attrname,attrvalue,content){
42. var ele=document.createElement(tagname);
43. ele.setAttribute(attrname,attrvalue);
44. ele.innerHTML=content;
45. return ele;
46. }
47. //it is returning an HTML element
48. //<label for="email">Mail</label>
49. function createinput(tagname,attrname,attrvalue,attrname1,attrvalue1){
50. var ele=document.createElement(tagname);
51. ele.setAttribute(attrname,attrvalue);
52. ele.setAttribute(attrname1,attrvalue1);
53. return ele;
54. }
55. function createlinebreak(tagname){
56. var ele=document.createElement(tagname);
57. return ele;
58. }
59. //Assignemt 01: Create a HTML Form
60. //1.firstname,2.Middlename,3.lastname,4.email,5.password
61. //Deploy it in Netlify
62. //Already The elements are there in HTML ,How to use them for accessing
63. //1.document.getElementById();
64. //This method is used to extract the unique element using id attribute
65. //it returns the Single HTML element
66. function foo(){
67. var res=document.getElementById("email").value;
68. var res1=document.getElementById("pass").value;
69. console.log(res,res1);
70. // if(res==="abc@guvi.in" && res1==="123"){
71. // console.log("valid user");
72. // }
73. // else{
74. // console.log("invalid user");
75. // }

17-10-2022

1. //Pre-requistite For DOM task
2. https://drive.google.com/file/d/1uwQsi6gLS-zXy1CaIM6zee8lCcwJYNa8/view?usp=sharing
3. var label=document.createElement("label");
4. label.setAttribute("for","male");
5. label.innerHTML="Male";
6. var male=document.createElement("input");
7. male.setAttribute("type","radio");
8. male.setAttribute("name","gender");
9. male.setAttribute("id","male");
10. male.setAttribute("value","male");
11. var label1=document.createElement("label");
12. label1.setAttribute("for","female");
13. label1.innerHTML="feMale";
14. var female=document.createElement("input");
15. female.setAttribute("type","radio");
16. female.setAttribute("name","gender");
17. female.setAttribute("id","female");
18. female.setAttribute("value","female");
19. document.body.append(label,male,label1,female);
20. function foo(){
22. if(male.checked){
23. let res=document.getElementById("male").value;
24. console.log(res);
25. }
26. else if(female.checked){
27. let res1=document.getElementById("female").value;
28. console.log(res1);
29. }
30. else{
31. console.log("others");
32. }
33. }
34. var temp=[];
35. let res=document.getElementsByTagName("checkbox").checked;
36. temp.push(res);
37. if(temp.length>=2){
38. }else{
39. alert("select minimum 2");
40. }
41. // localStorage,sessionStorage
42. //browser gives some space to store information
43. //localstorage:stores the data without a deadline
44. //sessionstorage:stores the data for a session
45. //same methods for both
46. //setItem,getItem,Remove,clear
47. //localStorage.setItem("")
48. //it takes the key value pair
49. //keyname:value
50. //return type:undefined
51. // localStorage.setItem("firstname","guvi");
52. // localStorage.setItem("middlename","geek");
53. // localStorage.setItem("lastname","pvt");
54. // console.log(res);
55. //getItem
56. //get item extracts the value
57. //it returns the extracted value
58. // var res=localStorage.getItem("middlename");
59. // console.log(res);
60. //remove Item
61. //it is removing the elements
62. //it is returning undefined
63. // var res=localStorage.removeItem("middlename");
64. // console.log(res);
65. //localstorage has to be completely cleared
66. localStorage.clear();
67. https://github.com/rvsp/HTML-CSS/blob/master/Mini-tasks/003-JS-DOM.md
68. var div=document.createElement("div");
69. div.innerHTML="this is div";
70. div.addEventListener("mouseover",()=>div.style.color="red");
71. document.body.append(div);
72. function foo(){
73. let res=prompt("enter the value");
74. let span=document.createElement("span");
75. span.innerHTML=res;
76. span.style.color="green";
77. span.style.fontSize="20px";
78. document.body.append(span);
79. }