

Screen shot of the Test results:

The screenshot shows a web application interface with a dark-themed code editor on the left and a light-themed results panel on the right. The code editor contains JavaScript code that defines a function `myFunction` to search for a key in a JSON object. The results panel displays the title "Display the *Value* of given key", the JSON object `Object : {"a":{"b":{"c":"d"}}}`, the input key `Key :a`, and the resulting value `Value :D`.

```
<script>

const input_key = prompt("Enter the key ")
var text = '{"a":{"b":{"c":"d"}}}'; // '{"a":"1","b":{"c":"d"}}'; // '{"a":"1","b":{"c":{"f":"d"}}}';

var x = myFunction(text, input_key);
myArray.ForEach(myFunction);

function myFunction(text, input_key){
  const search = '/';
  const searchRegExp = new RegExp(search, 'g');
  const replaceWith = ',';
  const result = input_key.replace(searchRegExp, replaceWith);
  const myArray = result.split(",");
  var fValue;
  var fKey= myArray[(myArray.length-1)];
  var obj = JSON.parse(text, function (key, value) {

    if (key == fKey) {
      fValue =value;
      return {value, done:true};
    } else {
      return value;
    }
  });

  document.getElementById("obj").innerHTML = "Object :"+ text;
  document.getElementById("key").innerHTML = "Key :"+ input_key;
  document.getElementById("value").innerHTML = "Value :"+ fValue.toUpperCase() ;
}
</script>
```

Result Size: 582 x 567

Display the *Value* of given key

Object :{"a":{"b":{"c":"d"}}}

Key :a

Value :D

This screenshot is identical to the one above, showing the same code and results. The results panel displays the title "Display the *Value* of given k", the JSON object `Object : {"a":{"b":{"c":"d"}}}`, the input key `Key :a/b/c`, and the resulting value `Value :D`.

```
<script>

const input_key = prompt("Enter the key ")
var text = '{"a":{"b":{"c":"d"}}}'; // '{"a":"1","b":{"c":"d"}}'; // '{"a":"1","b":{"c":{"f":"d"}}}';

var x = myFunction(text, input_key);
myArray.ForEach(myFunction);

function myFunction(text, input_key){
  const search = '/';
  const searchRegExp = new RegExp(search, 'g');
  const replaceWith = ',';
  const result = input_key.replace(searchRegExp, replaceWith);
  const myArray = result.split(",");
  var fValue;
  var fKey= myArray[(myArray.length-1)];
  var obj = JSON.parse(text, function (key, value) {

    if (key == fKey) {
      fValue =value;
      return {value, done:true};
    } else {
      return value;
    }
  });

  document.getElementById("obj").innerHTML = "Object :"+ text;
  document.getElementById("key").innerHTML = "Key :"+ input_key;
  document.getElementById("value").innerHTML = "Value :"+ fValue.toUpperCase() ;
}
</script>
```

Result Size: 582 x 567

Display the *Value* of given k

Object :{"a":{"b":{"c":"d"}}}

Key :a/b/c

Value :D

Run >

Result Size: 582 x 567

Get

<script>

const input_key = prompt("Enter the key ")

var text = '{"a":{"b":{"c":"d"}}}'; // '{"a":"1","b":{"c":"d"}}'; // '{"a":"1","b":{"c":{"f":"d"}}}';

var x = myFunction(text, input_key);

myArray.ForEach(myFunction);

function myFunction(text, input_key){

const search = '/';

const searchRegExp = new RegExp(search, 'g');

const replaceWith = ',';

const result = input_key.replace(searchRegExp, replaceWith);

const myArray = result.split(",");

var fValue;

var fKey= myArray[(myArray.length-1)];

var obj = JSON.parse(text, function (key, value) {

if (key == fKey) {

fValue =value;

return {value, done:true};

} else {

return value;

}

});

document.getElementById("obj").innerHTML = "Object :" + text;

document.getElementById("key").innerHTML = "Key :" + input_key;

document.getElementById("value").innerHTML = "Value :"+ fValue.toUpperCase() ;

}

</script>

Display the *Value* of given key

Object :{"a":{"b":{"c":"d"}}}

Key :a/b

Run >

Result Size: 582 x 567

C

<script>

const input_key = prompt("Enter the key ")

var text = '{"a":"1","b":{"c":"d"}}'; // '{"a":{"b":{"c":"d"}}}'; // '{"a":"1","b":{"c":{"f":"d"}}}';

var x = myFunction(text, input_key);

myArray.ForEach(myFunction);

function myFunction(text, input_key){

const search = '/';

const searchRegExp = new RegExp(search, 'g');

const replaceWith = ',';

const result = input_key.replace(searchRegExp, replaceWith);

const myArray = result.split(",");

var fValue;

var fKey= myArray[(myArray.length-1)];

var obj = JSON.parse(text, function (key, value) {

if (key == fKey) {

fValue =value;

return {value, done:true};

} else {

return value;

}

});

document.getElementById("obj").innerHTML = "Object :" + text;

document.getElementById("key").innerHTML = "Key :" + input_key;

document.getElementById("value").innerHTML = "Value :"+ fValue.toUpperCase() ;

}

</script>

Display the *Value* of given key

Object :{"a":"1","b":{"c":"d"}}

Key :a

Value :1

```

<script>

const input_key = prompt("Enter the key ")
var text = '{"a":"1","b":{"c":{"f":"d"}}}'; // '{"a":{"b":{"c":"d"}}}' ; // '{"a":"1","b":{"c":"d"}}';

var x = myFunction(text, input_key);
myArray.ForEach(myFunction);

function myFunction(text, input_key){
const search = '/';
const searchRegExp = new RegExp(search, 'g');
const replaceWith = ',';
const result = input_key.replace(searchRegExp, replaceWith);
const myArray = result.split(",");
var fValue;
var fKey= myArray[(myArray.length-1)];
var obj = JSON.parse(text, function (key, value) {

    if (key == fKey) {
        fValue =value;
        return {value, done:true};
    } else {
        return value;
    }
});

document.getElementById("obj").innerHTML = "Object :" + text;
document.getElementById("key").innerHTML = "Key :" + input_key;
document.getElementById("value").innerHTML = "Value :"+ fValue.toUpperCase() ;
}
</script>

```

Display the *Value* of

Object :{"a":"1","b":{"c":{"f":"d"}}}

Key :b/c/f

Value :D

```

<script>

const input_key = prompt("Enter the key ")
var text = '{"a":"1","b":{"c":{"f":"d"}}}'; // '{"a":{"b":{"c":"d"}}}' ; // '{"a":"1","b":{"c":"d"}}';

var x = myFunction(text, input_key);
myArray.ForEach(myFunction);

function myFunction(text, input_key){
const search = '/';
const searchRegExp = new RegExp(search, 'g');
const replaceWith = ',';
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var fValue;
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var obj = JSON.parse(text, function (key, value) {

    if (key == fKey) {
        fValue =value;
        return {value, done:true};
    } else {
        return value;
    }
});

document.getElementById("obj").innerHTML = "Object :" + text;
document.getElementById("key").innerHTML = "Key :" + input_key;
document.getElementById("value").innerHTML = "Value :"+ fValue.toUpperCase() ;
}
</script>

```

Display the *Value* of

Object :{"a":"1","b":{"c":{"f":"d"}}}

Key :a/b/c/f

Value :D