STRING

1. Create string:
2. Var fullName = ‘Nguyen Hoang’; (type: string)
3. Var fullName = **new** String(‘Nguyen Hoang’); (type: object)
4. Backslash (\):

Var fullName = ‘Nguyen Hoang la **\’**provip123**\’**’;

Var fullName = ‘Day la dau **\\**’;

1. Length of string:

Console.log(fullNam.length);

1. Do dai khi viet code:

* 80 characters per line ( variable + value )

var fullName = "Một số case sử dụng backslash"

+ " 1. Một số case sử dụng backslash"

+ " 2. Một số case sử dụng backslash"

+ “ 3. Một số case sử dụng backslash";

1. Template String ES6:

var firstName = 'Son';

var lastName = 'Dang';

console.log(`Toi la: ${firstName} ${lastName}`);

1. JavaScript String Methods:

var myString = ‘Hoang la CEO/FOUNDER cua VaeNar!’;

1. Length:

console.log(myString.length);

1. Find index:

console.log(myString.indexOf('CEO'));

* value = -1 => not found
* String giong nhau, tim cai thu n

console.log(myString.indexOf('CEO', 15));

* Mien la con so dung sau vi tri cua keyword la duoc.
* String giong nhau, tim vi tri cai cuoi cung:

console.log(myString.lastIndexOf('CEO'));

1. Search:

* Khac indexOf o cho: khong co tham so thu 2 va chi su dung cho bieu thuc chinh quy.

console.log(myString.search('CEO'));

1. Cut String:

console.log(myString.slice(1, 9));

* oang la

console.log(myString.slice(0));

* Cat tu phai sang trai:

console.log(myString.slice(-4, -1));

* Nar!

1. Replace:

console.log(myString.replace('CEO', 'JS'));

* Co nhieu ki tu giong nhau?

console.log(myString.replace(/CEO/g, 'JS'));

1. Convert to UpperCase/LowerCase:

 console.log(myString.toUpperCase());

 console.log(myString.toLowerCase());

1. Trim:

* Loai bo khoang space 2 dau cua TEXT

console.log(myString.trim());

1. Split:

* Cat 1 string thanh 1 array
* Tim diem chung de cat

var myString =

 'JS, HTML, CSS';

console.log(myString.split(', '));

* (3) ['JS', 'HTML', 'CSS']

var myString =

 'Javascript';

 console.log(myString.split(''));

* (10) ['J', 'a', 'v', 'a', 's', 'c', 'r', 'i', 'p', 't']

1. Get a character by index:

const myString =

 'JS, HTML, CSS';

console.log(myString.charAt(0));

  console.log(myString.charAt[0]);

* J

console.log(myString.charAt(1000));

* ‘’ // typeof: string

 console.log(myString.charAt[1000]);

* Undefined //typeof: undefined

NUMBER

1. Create number:

* var age = 18; //number
* var otherNumber = new Number(9); //object
* Check gia tri cua so: console.log(**isNaN**(age)) co hop le khong.

1. JS number method:
2. To String: chuyen so thanh string

console.log(typeof age.toString());

1. To Fixed: lam tron so thap phan, va bien typeof thanh string.

var PI = 3.14;

console.log(PI.toFixed());

ARRAY

1. Create Array:

* Cach 1:

var languages = [

    'Javascript',

    'PHP',

    'HTML/CSS',

    123,

    undefined,

    null,

    function () {

    },

    { },

  true

];

console.log(languages);

* Cach 2:

var languages = new Array(

  'Javascript',

  'PHP',

  'HTML/CSS',

123,

  undefined,

    null,

    function () {

    },

    { },

    true

);

console.log(languages);

* Cach kiem tra day la 1 array hay khong? Kiem tra datatype ( typeof ko dc)

console.log(Array.isArray(languages));

1. Truy xuat mang
2. Length:

console.log(languages.length);

1. Index:

console.log(languages[0]);

1. JS array method:
2. To String:

* Chuyen array -> string

console.log(languages.toString());

1. Join:

* Chuyen array -> string
* Truyen vao duoc cac loai dau khac nhau: khong phai co dinh “ , “ nhu toString.

console.log(languages.join('-'));

1. Pop:

* Xoa element cuoi mang, va tra ve phan tu da xoa.
* var languages = new Array(
* 'Javascript',
* 'PHP',
* 'HTML/CSS',
* 123,
* undefined,
* null,
* function () {
* },
* { },
* true
* );
* console.log(languages.pop());
* console.log(languages);
* true
* 8) ['Javascript', 'PHP', 'HTML/CSS', 123, undefined, null, ƒ, {…}]
* Xoa het, khong con phan tu => in ra ‘undefined’.

1. Push:

* Them 1/hoac nhieu phan tu o cuoi mang.

console.log(languages.push('add'));

* (10) ['Javascript', 'PHP', 'HTML/CSS', 123, undefined, null, ƒ, {…}, true, 'add']

1. Shift:

* Xoa 1 phan tu o dau mang va tra lai phan tu do

console.log(languages.shift());

* Javascript
* main.js:16 (8) ['PHP', 'HTML/CSS', 123, undefined, null, ƒ, {…}, true]
* xoa het thi tra ve ‘undifined’

1. Unshift:

* Them 1/hoac nhieu phan tu o dau mang.

console.log(languages.unshift('dart'));

* (10) ['dart', 'Javascript', 'PHP', 'HTML/CSS', 123, undefined, null, ƒ, {…}, true]

1. Splicing:

* Xoa 1 hoac nhieu phan tu, o 1 vi tri mong muon

console.log(languages.splice(1,2));

* (2) ['PHP', 'HTML/CSS']
* (7) ['Javascript', 123, undefined, null, ƒ, {…}, true]
* Chen 1 hoac nhieu phan tu, o 1 vi tri mong muon

console.log(languages.splice(1,0, 'dart'));

* (10) ['Javascript', 'dart', 'PHP', 'HTML/CSS', 123, undefined, null, ƒ, {…}, true]

1. Concat: noi 2 array

console.log(languages.concat(languages2));

1. Slicing:

* Dung de cat array

console.log(languages.slice(0));

* Cung dung de copy array
* Giong String, cat tu trai sang phai hay nguoc lai deu duoc.