Date:2021-01-15

* Section intro.:
  + - Knows about function and object
* Everything Is an Object Inheritance and the Prototype Chain:
  + - Primitives: number, string, Boolean, undefined, null
    - Else is an object: Array, Function, Object, Dates, Wrappers for Number, String, Boolean
    - Every JavaScript Object has a prototype property.
* Creating objects inheritance and prototype chain:
  + - To create a function constructor:
      * + Var name = function(argument)

{

Variables assignment.

}

* + - * + To create a object.

Variable name = new name(Argument);

* + - We use prototype for perform an inheritance.
      * + Ex:

Objrctname.prototype=function();

Objectname.varname=value;

* The prototype chain in the console:
  + - How to check a prototype property in console.
      * Go to your console and write.
        + Objectname.prototype
        + Some methods like…

Objname.hasOwnProperty();

Objname.instanceOf(); etc

* Create a object’s object:
  + - Use of Object.create();
    - See practical of 2021-01-15 date folder.
* Primitives vs. Objects:
  + - Primitive : contain the actual value .
    - Object : it doesn’t contain the actual value but it contain the reference of the value in memory.
    - EX:

//this is primitive demo

var a=10;

var b = a;

var a =20;

console.log(a);

console.log(b);

//output: 20

//10

//here we cheanged the valur of a but still value of b is not cheanged because it does not store the value location.

//now we use object

var obj1 = {

name:'jay',

age:30

}

var obj2 = obj1;

console.log(obj1);

console.log(obj2);

//now we change the value and see op.

obj1.age=20;

console.log(obj1);

console.log(obj2);

//here value of both object is cheanged......

* First Class Functions Passing Functions as Arguments:
  + - EX:

//function as a argument

//create a array of year of birth...

var yearOfBirth = [1991,1992,1993,1994,1995];

//here we calc age and put it in anpother array....

function calcAgeArry(arr,fn)

{

arrRes = [];

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

{

arrRes.push(fn(arr[i]));

}

return arrRes;

}

function calcAge(year)

{

return 2020 - year;

}

console.log(calcAgeArry(yearOfBirth,calcAge));