Dear Professor

The Assignment for today was good to get same practice on the JavaScript function world and I get knowledge on the Object creation and setting ,getting and so on. the solution for the assignment is below . it is complete .

thank you

6,

var count = (function() {

var adding = 0;

var add = function(){

adding += 1;

console.log(adding);

};

var reset = function(){

adding = 0;

}

return {

add: add,

reset: reset

};

})();

7,

adding is the free variable

Free variable are a simply the variable that are neither declared nor passed as parameters

8,

function make\_adder(n) {

var adding = 0;

return function() {

adding += n;

console.log(adding);

}

}

9,

1, I can modified them using the pattern IIFE

2, I can modified them using the ES6 syntax

10,

var Employee = (function() {

var name = "Dawit";

var age = 34;

var salary = 2500;

var setAge = function(newAge) {

age = newAge;

};

var setSalary = function(newSalary) {

salary = newSalary;

};

var setName = function(newName) {

name = newName;

};

var getAge = function() {

return age;

};

var getSalary = function() {

return salary;

};

var getName = function() {

return name;

};

var increaseSalary = function(percentage) {

salary = getSalary() \* (1 + percentage);

};

var incementAge = function() {

age = getAge() + 1;

console.log(age);

};

return {

setAge: setAge,

setSalary: setSalary,

setName: setName,

increaseSalary: increaseSalary,

incementAge: incementAge,

getAge: getAge

};

})(

11,

Employee.address = “null";

Employee.setAddress = function(newAddress) {

this.address = newAddress;

}

Employee.getAddress = function() {

return this.address;

}

Extra questions

var me = {

first: 'Josh',

last: 'Splinter',

getFullName: function() {

return this.first + ' ' + this.last;

}

};

var you = {

first: 'William',

last: 'Smith'

};

console.log(me.getFullName.apply(you));

console.log(me.getFullName.call(you));

var replacing=me.getFullName.bind(null,you.first);

console.log(replacing(you.last));