**Lab 7 & Lab 8**

1. Undefined

8

8

9

10

1

1. Global Scope: When a variable is defined outside of a function, which is not limited to any code block, it is said to have a global scope.

Local Scope: Varibale declared within a code block are said to be in a local scope.

1. a-No

b-Yes

c-No

d-Yes

e-Yes

1. a) 81

b) 25

1. 10
2. let count = (function(){

let counter = 0;

const add = function(){

return counter+=1;

}

Count reset = function(){

return counter = 0;

}

return counter;

}

1. the free variable is Counter
2. make\_adder : function(inc){

return counter+inc;

}

1. To wrap the code in “module pattern”
2. var Employees=(function()

{

var name;

var age;

var salary;

function getAge(){

return this.age;

}

function getSalary(){

return this.salary;

}

function getName(){

return this.name;

}

function publicSetAge(newAge){

this.age=newAge;

}

function publicSetSalary(newSalary){

this.salary=newSalary;

}

function publicSetName(newName){

this.name=newName;

}

function publicIncreaseSalary(percentage){

this.salary=getSalary()+getSalary()\*percentage;

}

function publicIncrementAge(){

this.age+=1;

}

return{

setAge: publicSetAge,

setSalary:publicSetSalary,

setName:publicSetName,

increaseSalary:publicIncreaseSalary,

increamentAge:publicIncrementAge

};

})();

1. Employees.prototype.address=”default”

Employees.prototype.setAddress(newAddress){

This.address=newAddress;

}

Employees.prototype.getAddress(){

Return this.address;

}