1. Determine what this Javascript code will print out (without running it):

x = 1;

var a = 5;

var b = 10;

var c = function(a, b, c) {

var x = 10;

document.write(x);

document.write(a);

var f = function(a, b, c)

{

b = a;

document.write(b);

b = c;

var x = 5;

}

f(a,b,c);

document.write(b);

}

c(8,9,10);

document.write(b);

document.write(x);

OUTCOME: 10889101

1. What is the difference between a method and function?

Method is a function which is a property of an object. A function is defined within the global scope and takes one or more parameters and may return values.

1. What does 'this' refer to when used in a Java method?

‘this’ in java refers to the calling object.

1. What does 'this' refer to when used in a JavaScript method?

‘this’ in javascript refers to the execution context.

1. What does 'this' refer to when used in a JavaScript constructor function?

‘this’ refers to the newly created objects.

1. Assume object x is the prototype for object y in javascript. Object x has a method f() containing keyword ‘this’. When f is called by x.f(), what does ‘this’ refer to?

It refers to object x.

1. What are fee variables in Javascript?

Free variables are variables that are not locally declared nor passed as parameters.

1. Create an object that has properties with name = "fred" and major="music" and a property that is a function that takes 2 numbers and returns the mallest of the two, or the square of the two if they are equal.

Var obj = {name: "fred", major:"music",

smallesOrSquare: function(a, b){

if(a==b) return a\*b;

else return a>b?b:a;

}

}

1. Write Javascript code for creating three Employee objects using the "new" keyword and a constructor function. Employee objects have the following fields: name, salary, position.

function Employe(name, salary, position) {

this.name = name;

this.salary = salary;

this.position = position;

}

var emp1 = new Employee("Abera",1999, "Entry")

var emp1 = new Employee("Girmay",19099, "Manager")

var emp1 = new Employee("Slas",2000, "Senior")

1. Write a Javascript function that takes any number of input arguments and returns the product of the arguments.

Function product(){

If(arguments.length>0){

var prod = 1;

for(let i=0;i<argumetns.length;i++)

prod\*=arguments[i];

return prod;

}

}

1. Write an arrow function that returns the maximum of its three input arguments.

var maxOfThree = (a,b,c)=>(a>b?(b>c?c:b):(a>c?c:a));