# Javascript Scope Exercises

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); //10

document.write(a); //8

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

b = a;

document.write(b); //8

b = c;

var x = 5;

}

f(a,b,c);

document.write(b); //9

}

c(8,9,10);

document.write(b);

document.write(x);

}a) 10 8 8 9 10 1.

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

a) Method is a function when object is associated with it. When no object is associated with it, it comes to function.

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

a) The current object.

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

a) The object which is executing the current peace of Javascript code.

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

a) The object that "owns" the code of the constructor.

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?

a)

1. What is a free variable in JavaScript?

a)

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 smallest of the two, or the square of the two if they are equal.

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.

a)

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

a)

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

a)