# 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) .

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

a) .

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

a) .

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

a) .

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)