// 1. What is the output of:

var x = 10;

function foo() {

  console.log(x);

}

foo();

// Output: 10

// 1. What is the output of:

var x = 10;

function foo() {

  var x = 20;

  console.log(x);

}

foo();

// Output: 20

// 1. What is the output of:

var x = 10;

function foo() {

  console.log(x);

  var x = 20;

}

foo();

// Output: undefined

// 1. What is the output of:

var x = 10;

function foo() {

  console.log(x);

}

var x = 20;

foo();

// Output: 20

// 1. What is the output of:

function foo() {

  console.log(x);

}

var x = 10;

foo();

Output: 10

// 1. What is the output of:

function foo() {

  console.log(x);

}

foo();

var x = 10;

// Output: undefined