JavaScript Basics - Test

Name: _
Course #: 6
Date: 09.03.2017

Data types and variables

1. Which data types are primitives:

   - the `Date` type

   - the `number` type

   - the `boolean` type

   - the `function` type

   - the `string` type

   - the `Array` type

2. Which expression is correct?

   - JavaScript has a block scope and is synchronous.

   - JavaScript has a function scope and is synchronous.

   - JavaScript has a block scope and is asynchronous.

   - JavaScript has a function scope and is asynchronous.

3. Which value does `result` have?

```
var given;

given = 1;
function changeGiven() {
 given = 2;
}
given = 3;
result = given;
changeGiven();
```

   - It has `result === undefined`.

   - It has `result === 1`.

   - It has `result === 2`.

   - It has `result === 3`.

4. Which value does `result` have?

```
var given;

given = 1;
function changeGiven() {
 given = 2;
}
given = 3;
changeGiven();
result = given;
```

- It has `result === undefined`.

- It has `result === 1`.

- It has `result === 2`.

- It has `result === 3`.

5. Which value does `result` have?

```
var given;

function changeGiven() {
 given = 2;
}

result = given;
given = 3;
changeGiven();
```

- It has `result === undefined`.

- It has `result === 1`.

- It has `result === 2`.

- It has `result === 3`.

Functions

1. Which functions are hoisted?

- Functions defined with `var myFunc = function() { /*...*/ };`.

- Functions defined with `function() { /*...*/ }`.

- Functions defined with `var myFunc = function myFunc() { /*...*/ };`.

- Functions defined with `function myFunc() { /*...*/ }`.

2. Which expression is correct?

- A function without `return` value returns the last used value.

- A function without `return` value returns `undefined`.

- A function without `return` value returns `null`.

- A function without `return` value returns nothing.

3. Which value does `result` have?

```
var obj;

obj = {
 value: 3,
 increase: function() {
   this.value += 1;
   return this;
 }
};

var result = obj
 .increase()
 .increase()
 .increase()
 .value;
```

- It has `result === undefined`.
- It has `result === 3`.
- It has `result === 5`.
- It has `result === 6`.