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JavaScript Exam 1

Time Limit: 60 minutes
Total Possible Points: 58

This is an open-note exam comprised of 8 True & False, 7 Matching, 9 Multiple Choice and 6 Coding Problems for a total a total of 75 points. Please answer each question to the best of your ability. Do not seek help from other students regarding the exam. Turn in the exam and JavaScript code file to your folder on GitHub or email them to me directly by 9:00 am Saturday May 2nd.

True & False

Please read each question	carefully, and le	gibly write T (tru	ie) or F (false) on i	the line next to the	question.
Each question is worth 1 μ	oint.				

T Undefined variables are those that are decla	red in the program but have not been given any value
_T 92 = = = '92' returns the result true	
F The keyword continue exits a loop	
T The NULL value is used to represent no value	e or no object
F The expression 7 % 2 will return 3	
T The OR operator looks like this	
F The keyword this refers to a function's callin	g/"owner" object
T An array is a primitive data type	
Matching Match each term to its definition. Each question	n is worth 1 point.
_	n is worth 1 point. C Operator
Match each term to its definition. Each question	C Operator a. A whole number (not a fraction) that can be
Match each term to its definition. Each questionE String	C Operator a. A whole number (not a fraction) that can be positive, negative, or zero
Match each term to its definition. Each questionE StringG Object	C Operator a. A whole number (not a fraction) that can be positive, negative, or zero b. A number containing a decimal
Match each term to its definition. Each question E StringG ObjectB Floating Point	C Operator a. A whole number (not a fraction) that can be positive, negative, or zero b. A number containing a decimal c. A subset of algebra used for creating
Match each term to its definition. Each question E StringG ObjectB Floating PointD Boolean	C Operator a. A whole number (not a fraction) that can be positive, negative, or zero b. A number containing a decimal

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- d. A character that represents an action, as for example =, + or –
- e. A set of characters that can also contain spaces and numbers
- f. An abstract data type with properties and methods
- g. A block of code designed to perform a particular task.

Multiple Choice

Please read each question carefully and clearly mark the best answer. Each question is worth **2 points.**

1.	The keyword 'this' in JavaScript refers to the from where it is called.
	a. Variable
	b. Object
	c. Function
2.	If $a = 4$ and $b = "6"$, what would be the result of $a + 3 + b$
	<mark>a. 76</mark>
	b. 436
	c. 13
3.	What statement exits a loop?
	a. exist
	b. stop
	<mark>c. break</mark>
4.	Which characters are used for multi-line comments?
	a. \\
	b. //
	<mark>C. /*</mark>
5.	Which of these variable keywords is NOT block scoped?
	a. let
	<mark>b. var</mark>
	c. const

6.	What array object method is used to remove the first element in an array?
	d. pop()
	e. shift()
	f. split()
7.	In the function below, what type of variable is count? var count = 0;
	function method () {
	count++;
	}
	a. Global
	b. Local
	c. Both
8.	Which of these options is the correct way to retrieve the age property for the object: var person = {firstName:"John", lastName:"Doe", age:50, eyeColor:"blue"}; a. person.age b. getAge()
	C. return age
9.	What will the output of this code be?
	var x = 21;
	var print = function () {
	console.log(x);
	var x = 20;
	} ;
	print();
	a. 20

- b. undefined
- c. 21

Coding Problems

Please read each question and any sub-questions carefully and submit a JavaScript file with the coded answers to the GitHub folder. Each question is worth the amount of **points** distinguished at the end of the question. Partial credit will be given for this section.

- 10. Create an array that containing all seven days of the week. (3 points)
- 11. Write a FOR loop that prints each day of the week from the array your created above. (4 points)
- 12. Write a SWITCH statement for days for the week using an integer number variable with the CASE statements. (3 points) EX: 1 Sunday, 2 Monday ... 7 Saturday
- 13. Add a method to the object person called display that prints out the object's properties in the following format (4 points): "5566 Doe, John 50yrs"

```
var person = {
     firstName: "John",
     lastName : "Doe",
     id : 5566,
     age : 50
     fullName : function() {
         return this.firstName + " " + this.lastName;
     }
};
```

14. Write a recursive function takes one parameter and prints hello the number of times designated by the parameter before printing goodbye (6 points): Example: hello(2); would return "Hello Hello Goodbye"

15. Write an object called House that has 4 properties streetAddress, zipCode, ownerLastName, yearBuilt.

The House object has two methods ageOfHouse and isLocatedInIndiana. Find the age of the home using the Date object methods and the year built. For the isLocatedInIndiana method, all Indiana zip codes are between 46001 and 47997. Finally, create array called town that has 3 or more House objects within it. (10 point)