



# Week One



25/26 вопросов верно

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1.

Every valid web page can be represented as a tree. This tree is referred to as the



DOM

**Отлично!**

Correct. The Document Object Model is used by HTML and JavaScript to organize the page



API



JavaScript



2.

JavaScript uses what kind of interface to access the DOM structure?

☐ an API

**Отлично!**

Correct!! This is an important term to know since there is a good chance you will want to use it later when searching the web for help with your code.

☐ HTML5

☐ CSS3



3.

Which of these is not valid? (Hint, pay attention to if the method should return one thing, or many things...)

☐ document.getElementsByTagName(tagName)

☐ document.getElementsByClassName(className)

☐ document.getElementById(idName)

**Отлично!**

Since each page should have only one id with that particular idName, it should return an element, not elements. This may seem like a small thing, but it is very important to realize early since it is a common typo.



4.

Which of the following is not a valid method for generating output?

☐ document.write

☐ alert

☐ prompt

☐ print

**Отлично!**☐ console.log 5.

Which of these options does NOT require the use of parentheses?

☐ document.write☐ alert☐ prompt☐ console.log☐ innerHTML**Отлично!**

Correct. With innerHTML you set the value using an assignment operator (=).

 6.

Which of the following does not generate output directly to the screen?

☐ document.write(message);☐ console.log(message);**Отлично!**

Correct. The message will be sent to the console window. You can access this window using the Debugger Tools or Inspect Element tools for your browser.

☐ element.innerHTML = message;



7.

How does prompt differ from alert?

- ☐ The prompt will return a value, alert does not.

**Отлично!**

- ☐ The alert will return a value, prompt does not.
- ☐ Only alert uses parentheses.
- ☐ Only prompt uses parentheses.



8.

Variables allow you to save data.

- ☐ True

**Отлично!**

Correct. Using variables will allow you to save data and reuse it later in your program.

- ☐ False



9.

In JavaScript the keyword \_\_\_\_\_ is used to declare a variable.

var

**Отлично!**



10.

What does it mean that variables are case-sensitive?

- ☐ That all variables must use uppercase letters
- ☐ That the computer does not think that the variables *name* and *Name* are the same thing.

**Отлично!**

- ☐ That all variables must use lowercase letters



11.

Which of the following is not a valid variable name?

- ☐ variableOne
- ☐ oneVariable
- ☐ variable1
- ☐ 1variable

**Отлично!**

Correct. Variables can use digits, but can not start with them.



12.

Which of the following is not a valid variable name?

- ☐ variable-2

**Отлично!**

Correct. You can not use the "-" in a variable name. The computer would view this as a subtraction operator and try to subtract 2 from the value stored in variable.

- ☐ variable\_2
  - ☐ variable\$2
- 



13.

What does mnemonic mean?

- ☐ That variable names should be as short as possible, preferably with no more than two or three characters.
- ☐ That variable names should help describe the value being stored.

**Отлично!**

- ☐ That variable names should start with lowercase letters and use uppercase letters if the variable has multiple parts, e.g. firstName.
- 



14.

What is wrong with this code?

```
var name = "Mike";  
"Colleen" = name;
```

- ☐ It is illegal to change the value stored in a variable.

**Извините, это неверно.**

Incorrect. It is legal and common to change the values stored in variables. Please review Lecture 4 from this week.

- ☐ The variable declaration is illegal.
  - ☐ This code is illegal and it doesn't make sense to have a non-variable (also called a constant) in the left-hand side (LHS) of an assignment statement.
-



15.

What value is stored in name if the person hits the Cancel button on a prompt?

```
var name = prompt("What is your name?");
```

null

**Отлично!**



16.

What value is stored in name if the person hits the Okay button on a prompt before entering anything?

```
var name = prompt("What is your name?");
```

- ☐ undefined
- ☐ null
- ☐ an empty string ("")

**Отлично!**

Correct



17.

To create a String variable, use quotes around the value you want to save.

- ☐ True

**Отлично!**

- ☐ False



18.

Boolean variables store either true or false.

☐ True**Отлично!**☐ False

19.

When a function returns a node from the DOM, it is of type

☐ Object**Отлично!**

Correct. Each node in the DOM is complex and objects can hold more information than just a String, Boolean, or Number.

☐ String☐ Boolean☐ Number

20.

A function that wants to return multiple values at once (such as `document.getElementsByTagName`) will return a/an

☐ String☐ Array**Отлично!**



Correct. An Array allows you to hold a collection (or group) of elements. We will learn more about Arrays in Week Three.

☐ Number

✓ 21.

Which of the following is not a valid operator?

☐ ++

☐ ==

☐ --

☐ +=

**Отлично!**

Correct. You see this sometimes as a typo. The proper format is +=, not =+.

☐ +=

✓ 22.

What value is returned by 9 % 5?

4

**Отлично!**

Correct. If you divide 9 by 5, the remainder is 4.

✓ 23.

What is the difference between == and === ?

☐ The == operator is the assignment operator, while === is the

equality operator.

- ☐ The == operator only checks for equivalent values, not equivalent type too.

**Отлично!**

Correct!

- ☐ The === operator only checks for equivalent values, not equivalent type too.



24.

What is the logical operator for OR?

||

**Отлично!**



25.

Which tag is used to let the browser know that it is about to see JavaScript code?

- ☐ <script>

**Отлично!**

- ☐ <head>

- ☐ <javascript>



26.

JavaScript code must be placed in the <head> section of the document.

☐ True

☐ False

**Отлично!**

JavaScript code can be placed in the head or body of an HTML file. It can also be placed in a separate file.

