Curtis Collins

1. Java is a programming language while JavaScript is a scripting language.

Java runs in a virtual machine, while JavaScript runs in a browser.

Java has to be compiled, while JavaScript is just stored as text.

1. It can be used to take information from the user.

It can allow you to change the DOM.

It can allow to add to the HTML.

4. Document and window

5. A primitive is a datatype that is on its own and the lowest form it can be in. An object is a datatype that is made up of smaller things.

6. JavaScript can be embedded into a HTML file the same way that CSS can and is called explicit embedding. It can also be included in a separate file with the .js extension. It is then called from the HTML document, this is called implicit embedding.

7. // and /\* \*/

8. In case a browser does not support JavaScript, the browser will skip over it since it is hidden inside the HTML comments.

9. Number, String, Boolean, Undefined, Null

10. No

11. A variable that has been declared but not assigned a value, it is undefined.

12. False

13. Precedence rules allows us to have a set of rules for which operators will happen first when multiple are in a row. This is useful especially for math.

14. Operator associativity is useful because it allows us to know which operator will be used first when two operators with the same precedence are in a row.

15. NaN is the value of something when it is not a number. It also gives us the ability to use isNaN(), which is a Boolean check for whether something is a number.

16. JavaScript automatically attempts to convert things based on the operators around the statements. This makes them useless for the most part, as JavaScript is already trying to convert for us.

17. Object

18. <br />

19. \n

20. It shows an input box to the user that they can use to type something in. We can then assign their input into a variable.

23. == Can be used to compare a number and a string that contains a number. 3 == “3” is true. === cannot compare things unless they are exact. 3 === “3” is false.