

Javascript Questions

1. a. What are the 3 different kinds of "values" in Javascript? What is the difference between them?

a string (words), Boolean (yes or no), and number

b. What happens when you add strings? How is this different from adding numbers?

It just smacks the sentences or words together. Adding numbers will perform addition.

2. a. In your own words, what is a variable?

A variable is like a shoebox. It has a name and holds a value inside.

b. How do you declare/name it? How is this different from re-assigning it's value?

To declare it you write $var_{name} = \text{---}$. You can re-assign a variable anywhere inside or outside a function. It just means assigning

c. What is the difference between declaring a variable outside a function vs. inside a function? a new value

A variable outside a function is true everywhere except where otherwise stated. A variable in a function is only true in the function

d. What are 3 different ways that you have used it or can use it?

I used variables for Glizzy Title, Glizzy Picture, And Glizzy About in my Hot Dog Calculator

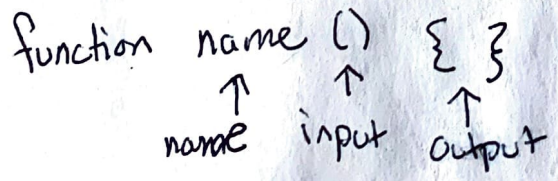
e. How can you use a variable as a counter, for instance, for the number of clicks on a page?

```
var counter = 0
document.addEventListener("click", function() {
  counter = counter + 1
})
```

3. a. What is a function?

A function is a set of instructions for the computer to follow

b. How do you write it? Where is the input? Where is the output?



c. What does it mean to write vs. to run or call a function? How are these written differently?

A function just is a list of steps but the computer won't do them unless you tell it, you must run it by writing the name of the function

4. a. What is an eventListener? Do we make it with a function, a variable, an array? When do you use it?

addEventListener is a pre-named function. ~~It~~ It only needs an input ~~the~~ the computer knows the output because it's pre-named

b. How do you see all the data you're generating from an event listener? Try actually coding this so you can see what's inside. Can you make one particular quality in the event listener show up in the console?

→ console.log(input)

5. How do you write a conditional statement also known as an if/else statement?

if () { }
↑ ↑
condition then

a. When have you used or could you use a conditional statement?

I used it in my hot dog calculator depending on the amount of Hot dogs there were a lot of them.

6. What is an array?

An array is a list of values

a. How do you initially make an array?

Var name = [, , ,]
 ↑ ↑ ↑
 VALUES

b. Why are two different situations when arrays useful?

When making a hotdog calculator or making fortune
Cookie generator

c. How do you refer to the elements inside arrays?

name []
↑ ↑
a name number of
name value in array