10 sections

1st section mult choice

2nd section

Python

Write our iterators/generators

Class inheritance with python

Add class methods or instance methods, understand how to interact with parent classes and child classes. Calling super constructors and functions all with python

Lists of data, writing list comprehensions

Being able to use a list comprehension to go through a series of data

Understand how to use lists comprehension conditional statements to query a certain statement.

Answer questions with event propogation, html document with nested DOM, answer qs about what events are going to happen and in what order and how can you manipulate that order.

Javascript equality expressions. How does JS evaluate this expression?

i.e. 4 + “4” == 8

returns false as 4 + “4” = “44” which does not equal to 8.

Understanding what happens with mixed types will be helpful

Difference between == and ===.

Covering regular expressions.

Questions formatted as such:

Have 3 regex patterns, and 3 strings to match it with.

Important thing to be able to look at the pattern and understand pattern definitions being used. Do not need to memorize every single regular expression. Capture groups, built-ins (/w /s), utilizing capture groups, what pattern was identified with the first capture group and then reusing that capture group within the pattern

- example

Understand how to create a constructor for an object in JS and how can you instantiate that object

DOM Event orders

Capture Phase (goes down the ladder) sets everything to false given that it is initially true and captures in downward order.

1. Body false
2. Table false
3. Tr false
4. Td false

Bubble Phase ( goes up the ladder) (sets everything to true given that it is initially false and bubbles up in upward order)

1. Td True
2. Tr true
3. Table True
4. Body True
5. Body F 4 bubble
6. Table T 1 capture
7. Tr F 3 bubble
8. Td T 2 capture

Target is the thing that is clicked. Target of td, tr, table, and body is td

currentTarget is the individual thing that is clicked:

i.e.

currentTarget of td is td

currentTarget of tr is tr

currentTarget of table is table

currentTarget of body is body

localStorage vs sessionStorage

when you persist data that is localStorage, this is browser and domain specific.

Persistent local cash across browsers on a local window in a given domain.

Subdomains like me.toddwaits.org

More of a consideration of where you want to store stuff

If you quit your browser, local storage will bring it back

This will not work for forms in the sense that you will not get the work that you completed back/ the information that you typed in.

sessionStorage has the same API, same idea, but is

if you quit the tab and close the browser, then your session storage will be gone forever, but your local storage will be there.

So it is used for forms for example, so if you like refresh a form that you are filling out, session storage will load and auto fill all that form for you, but local storage will not do this.

Know JSON.stringify and JSON.parse