FINAL ASSESSMENT

HTML, CSS, JAVASCRIPT, JQUERY, ANGULAR, NODE

HTML / CSS

1. Create a CSS selector that selects all `paragraph` tags nested in elements with a class of "`subscription-info`" that is nested in an element with a class of '`subscription`'. *[1pt]*
2. Taking the box model into account: If an element has a width of 200 pixels, padding of 5 pixels, a 1px border, and margin of 10 pixels. What is the total width of the element. *[1pt]*
3. Create a CSS selector for an anchor element that will only apply its style when the user's mouse passes over element. *[1pt]*
4. Explain the differences between block, inline, and inline-block. *[1pt]*

JAVASCRIPT

5. Declare and initialize the variable **`limit`** to the number 25. Construct an if statement to check if the variable `limit` is above or equal to 21. If true, the script should log the message, '`limit is met or exceeded`'. If false, the script should log the message, '`limit is not met`'. *[1pt]*
6. Create a `for` loop that logs the integers from 1 to 50 to the console, also for each integer that is evenly divisible by 10, log "`Success`" to the console. *[1pt]*
7. Create a `while` loop that will prompt the user to enter their favorite food until the user types "`Tacos`". *[1pt]*
8. Declare a function called `findSum()` that accepts two parameters. Inside the body of the function, return the value of both parameters added together. Then call the function with the arguments: 3 and 7. *[1pt]*
9. Declare a variable called `catalog`, initialize it as an array of objects. Each object should have properties of `productName`, `description` and `unitPrice`. Add an object for each of these catalog items: *[1pt]*

Product Name	Description	Price per unit
"Lamp"	"Standing lamp."	8.73
"Chair"	"What you sit in."	66.35

“Paperweight”	“For holding things down.”	3.46

10. Using the array created above, use a forEach to log each item’s price per unit to the console. *[1pt]*
11. Consider the following code, what will be logged to the console? In a few sentences, explain why. *[1pt]*

```
var title = "Grand";

function print(){
  var title;
  console.log(title);
}

print();
```

JQUERY

12. Using jQuery, select an element with an `id` of `submit-button`. Add an event handler using the on method. When the element is clicked, log the text of the button to the console. *[1pt]*
13. Using jQuery, make a GET request to the url “http://example.com/json”. Log the data from the request to the console. *[1pt]*

ANGULAR

14. What does MVC stand for? How does the cycle work? What are the parts? [1pt]
15. Using Angular, make a GET request to the url “http://api.example.com/florals” and initialize a property on the scope called florals to the response. *[1pts total]*
16. Create an angular directive called `customerDetails` *[1pt]*
    a. Set `restrict` to “`E`”.
    b. Set `templateUrl` to “`path/to/my/view.html`”.
    c. Set `replace` to `false`.

Write the HTML that would add this directive to a view.

NODE.JS

17. Declare a variable http to require the http module. *[1pt]*

18. In a file called `animal-inventory.js` is the following code...

```
var animals = [ "cow", "chicken", "sheep", "goat", "duck" ];
function printAnimals() {
   animals.forEach(function(animal) {
     console.log('We have a ' + animal);

   });
}
module.exports.animals = animals;
module.exports.printAnimals = printAnimals;
```

Write the code required to import the content of `animal-inventory.js` and call the `printAnimals` function. *[2pts total]*

19. What module is required for Express to extract information from the body of a POST/UPDATE request? *[1pt]*