44-563 Midterm 2

</div>

Full Name: Kiran Kumar Gundapuneni

Teacher/class time: Hoot(11AM) Hoot(12PM)

7

You may use a single sheet (8.5 by 11 inches) of personally handwritten paper notes. No other resources are allowed.

Show (using the cells below to help with spacing) where the content would go on a *small* device and outline the boxes to indicate how many columns each div will have in the row. Note: you may not need all rows provided, but you will not need more rows. The demo lines have been done for you

Demo   1	Demo	2	
Content 1	content 2	content 3	Content 1
			-3

(Question 1B - 2 points) What problems do cookies help fix? What kinds of problems can cookies cause?

cookic hold some state information, a cookic is returned from a server as part of a request, cookie holds property value pairs. Cookie can be used to track your activity on the web, cookie may not be encrypted and should be considered insecure.

(Question 1C - 2 points) Describe a difference between a variable declared with var and a variable declared with let.

Var is a original and just a var with non-lexical scoping. var can be used outside the block

let is a limited scope variable, let has a standard lexical block see

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Question 2 (10 points)

Task 1 (2 points): Modify the max input so that it has a default value of 100. Give the line number of the HTML you are changing and what you are changing the line to.

Line #: 05

Modified to:

Cinput type = "number" id = "form1 -man" & Hame = "form1 man" value >100.

Task 2 (6 points): Create a Javascript function named ranger that will get the values of max and init in the form, compute the difference and concatenate it with the contents of the first paragraph, and then replace the contents of the div containing MEAT LOAF with the result. Write the Javascript and appropriate HTML tags below line 20 on the previous page.

Task 3 (2 points): Modify the HTML so pressing the First button will call the function you wrote in task 2. Give the line number of the HTML you are changing and what you are changing the line to.

Line #: 10

Modified to:

c button type = "button" on click = "document.get [lement ty Id (vanser))
inner HTML = vanger();

edly id - only positive >

Question 3A (6 points) Write a javascript function (no HTML needed) that takes an array of numbers, creates an Object that contains the sum of the negative values and the count of the positive numbers in the array (choose appropriate keys to use for these values), and returns the object.

```
led numbers = \{-1, 2, 3, 4, 5\}

Lexipt >

for \( \text{if } = \left( \text{number } > 0 \)

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```

What happens when foo ([5,2,3,4,6]) is called? Specifically what is the output and when/how is it displayed to the user?

setTimeout(()=>alert('Result is \${bar}'), 3000)

When remainder is 1

}

else bar -= num

The following is in the body of some responsive HTML annotated with line numbers that is using bootstrap. You will modify this code to accomplish the given tasks for question 2.

```
01:<form>
    <label for="form1_init">Initial is: </label>
    <input type="number" id="form1 init" name="form1 init"> <br>
03:
04:
    <label for="form1 max">Max is: </label>
05:
    <input type="number" id="form1 max" name="form1 max">
    <label for="form1 desc">Description is: </label>
    <input type="text" id="form1 desc" name="form1 desc">
07:
08:</form>
09:<div class="container-fluid">
10: <hl id="toto">A small dog</hl>
11:
   Melts a witch
   Wants a heart
13: <div class="row" id="nav">
14:
    <div class="col-sm-3" id="ml">MEAT LOAF</div>
15: <div class="col-sm-3" id="br">BREAD</div>
16: <div class="col-sm-3" id="pf">PINK FLOYD</div>
17: <div class="col-sm-3" id="ch">CHICAGO</div>
18:</div>
19: Coutton type="button" class="btn btn-success">First</button>
20: \button type="button" class="btn btn-warning" > Second < / button >
```

```
function rounser (int number)

{

document.getstementBy.Id ("number"))

}

int.number [number]

int.number.concat()[number + water];

int.replace().ml
```

```
method
new-values = values. map (function callback (norm, indez [0],
                3 (wallow
          [ , this fraction] )
        console. log ("fractions");
3c) let pick = a;
      let pick = b;
     function Pick (a.b) {
                                                            992
          if (a = even) b= even; }
         return [ 6]
          else {
              return & eight }
```

## Midterm 2

You are allowed to use your single page of hand written notes as a reference.

	_				
1	2 pc	ints			
	Mobile users are usually most comfortable scrolling content				
	$\circ$	using a pinch			
	0	horizontally			
	0	vertically			
	0	using a double tap			
2	2 pc	pints			
	In JavaScript, we can access the element with id "target" using which of the following?				
	0	element = dom.getElementById("target")			
	0	element = dom.element("target")			
	0	element = document.element("target")			
	0	element = document.getElementById("target")			
3	2 pc	pints			
	The basic table styling in Bootstrap can be done using which class?				
	0	table container			
	9	table			
	0	style table			
	0	tbl			