Full Name: ABHISHER DHARAMKAK RAMESH 44-563 Midterm 2 Teacher/class time: Hoot(11AM) Hoot(12PM) You may use a single sheet (8.5 by 11 inches) of personally handwritten paper notes. No other resources are allowed. (Question 1A - 6 points) Given the following Bootstrap 5 device screen sizes: Extra small: <576px Small: >= 576px Medium: >= 768px Large: >= 992px Extra Large: >= 1200px Given the following HTML: <div class='row'> <div class='col-5'>Demo 1</div> <div class='col-7'>Demo 2</div> </div> <div class='row'> <div class='col-sm-4'>Content 1</div> <div class='col-sm-2'>Content 2</div> <div class='col-md-3'>Content 3</div> <div class='col-md-3'>Content 4</div> </div> 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 Content 1 (Question 1B/- 2 points) What is the result of '1'+1 (evaluated in Javascript)? What is the result of 1'-1? Why do these Javascript expressions behave differently? = 11 - number type will be converted to struptype -1 = 0 => string type will be converted to number type (Question 1C - 2 points) Create an anonymous function in JavaScript with a single argument. It will add one to the argument and return the result. anonymous finetion in Javascript is a function which don't have ony name. function (value) x value = value +1; seturn value;

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Full Name: ABHWHEL DHAKAMKER RAMESA
     44-563 Midterm 2
    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.
        <label for="form1_init">Initial is: </label>
        <input type="number" id="form1 init" name="form1 init"> <br>
        <label for="form1 max">Max is: </label>
        <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">
    08:</form>
   09:<div class="container-fluid">
   10: <h1 id="toto">A small dog</h1>
   11:
       Melts a witch
       Wants a heart
       <div class="row" id="nav">
       <div class="col-sm-3" id="ml">MEAT LOAF</div>
       <div class="col-sm-3" id="br">BREAD</div>
       <div class="col-sm-3" id="pf">PINK FLOYD</div>
       <div class="col-sm-3" id="ch">CHICAGO</div>
   18:</div>
   19: <button type="button" class="btn btn-success">First</button>
    20: <button type="button" class="btn btn-warning">Second</button>
    escript > function checken () of
   Var max = document get Element By Id (form _ max") value;
             alest (maxi)
   var var = document get Flormant By Id ("bo"). Inver Himl.;
vor vorz = document get Element By Id ("ch"). inner HTML
document gettlement By Id ("bo"). Inner HFML = VOIL:
document get Element By Id ("ch"). inner HTML = van !
 1/Suipt>
```

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

Modified to: <input = "text" id = "form! _desc" name = "form! _desc" Value = ">0907">

Task 2 (6 points): Create a Javascript function named checker that will get the value of the max from the form and show an alert with its value. It should then swap the contents of the divs containing BREAD and CHICAGO. Write the Javascript and appropriate HTML tags below line 20 on the previous page.

Task 3 (2 points): Modify the HTML so pressing the Second 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 #: 20

< button type = "button" class = "btn btn-warning" on Click = "chicket!)" > Second </button>

1 2 points	e page of hand written notes as a reference.
2 points In Bootstrap which element type	
In Bootstrap which element type	
In Bootstrap which element type responsive design?	
	will we use as a convenient container for other elements in a
div	
head	
button	
footer	
2 2 points	to to the variable
Variables starting with the charact	tersignify a private variable.
hash	
(dollar sign	
Colon	
2 points	
Given the JavaScript definition	
let array = [10, 20] What is the result if we ask for the	value in position 3
We get the number 0	
We get the value 10	
An exception is thrown	
We get the value undefined	

4 2 points	8	ABHOREE	DAARAMKAR	RAMES H
	ng is not a Bootst	trap class that can be u	sed with a button?	
btn-warning				
btn-success				
btn-java-scr				
	ipt			
btn-danger				
To and the last				
5 2 points				
Given the JavaSo				
let object = {x which of the follo	::10, y:2 0} owing would ac	cess the value of y?		
object[y]				
object["y"	1			
O object.get				
O object.x				
O Dajstein				

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Full Name: Vamshi Merugu 44-563 Midterm 2 Eloe(9AM) Hoot(11AM) (Hoot(1PM)) Eloe(1PM) (Hoot(2PM)) Teacher/class time: You may use a single sheet (8.5 by 11 inches) of handwritten paper notes. No other resources are allowed. (Question 1A - 6 points) Given the following Bootstrap 5 device screen sizes: Extra small: <576px Small: >= 576px Medium: >= 768px Large: >= 992px Extra Large: >= 1200px Given the following HTML: <div class='row'> <div class='col-5'>Demo 1</div> <div class='col-7'>Demo 2</div> </div> <div class='row'> <div class='col-sm-4'>Content 1</div> <div class='col-sm-2'>Content 2</div> <div class='col-sm-2'>Content 3</div> <div class='col-md-2'>Content 4</div> </div> 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 Content content 3 content 2 Content (60000 (Question 1B - 2 points) What problems do cookies help fix? What kinds of problems can Small data Stored in computer when users visit a page his/hor name can be stored in a cookie, Next time when user the visit same popularmber his/hornome. problems: 1. used to track your activity on web is problem cookies g. may not be pooblems: encrypted and should be insecure (Question 1C - 2 points) Describe a difference between a variable declared with let and a variable declared with const. vare - non-lexical scoping Let - limited scope vonlable Const - Constant

44-563 Midterm 2 Full Name: 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> 02: <label for="form1 size">Size is: </label> 03: <input type="number" id="form1 size" name="form1_size">
 04: <label for="form1 word">Word is: </label> 05: <input type="text" id="form1 word" name="form1_word"> 06: <label for="form1_cost">Cost is: </label> 07: <input type="number" id="form1 cost" name="form1_cost"> 08:</form> 09: <div class="container-fluid"> 10: <h1 id="fred">Responsive Design</h1> Resize the browser window
To see the effect <div class="row" id="bit"> <div class="col-sm-2" id="one">ALF </div> <div class="col-sm-2" id="two">BOGO</div> <div class="col-sm-2" id="three">GPU</div> 17: <div class="col-sm-2" id="four">DOD </div> 18:</div> 19: <button type="button" class="btn btn-success">Opt1</button> 20: <button type="button" class="btn btn-warning">Opt2</button> 21 cscript > 22 CP id 2"demo" form 21P > 6 button = button oft 1 process poperti >775yit < 1 button> 23 Function ments processepect () & 24 document-get Element By Id ("domo"). inner HTML = "Bobo";)
25 document-get Element By Id ("domo"). inner HTML = "h1. 80600"; L (50x1P+>

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 squares of the numbers and the largest number in the array (choose appropriate keys to use for these values), and returns the object.

Ar const num = [1, 2, 3, 4, 5, 6];

for (let i=0; i < num.length; i+1)?

num = num/length;

document-get Element By Id ("demo") · inner HTML= who hum;

3

```
Question 3B (4 points) Given the following Javascript
function foo (somenumbers) {
   bar = 0
   for (num of somenumbers) {
      if (num % 2 == 0) bar += num
      else bar -= num
   }
   setTimeout(()=>alert(`Result is ${bar}`), 3000)
}
```

What happens when **foo([1,2,3,4,5,6])** is called? Specifically what is the output and when/how is it displayed to the user?

In this function we get output after three seconds the output are g, 4, 6

