Please write your name and the name of your TA on your exam booklet. Also include the day and time you attend lab.

Please start each answer on a new page in your blue book. Thanks!

1. [25 pts] Write the complete HTML code that will do the following two things
   a) display a form called “xyz” containing the following:

   **Find the max of two numbers**
   
   Num 1       Num 2
   
   Max.:  

   **Maximum Button**

   b) write the necessary code that will put in the “Max” box, the maximum of the two values in the boxes “Num 1” and “Num 2” when the “Maximum button” is clicked.

2. [25 pts] Write the complete HTML code that will create an array called “A” of 15 elements. Write a “for loop” that will store in the “i-th” element of the array the value 2*i-1. Then write another for loop that will compute the sum of the 15 elements in the array. Finally, display an alert box that will display the message “The sum of the 15 elements is” followed by the sum you computed in the second for loop.

3. [25 pts] Write a function, called `is_pos`, that takes a single parameter, called n, and returns true if n is positive (i.e., greater than 0) and false otherwise.

4. [25 pts] Write an HTML snippet that has a text area and a button whose value is switch. Initially the text area should have the string “Off” in it. When you click the switch, the text area should change to “On.” Subsequent clicks on the “switch” button should toggle the value in the text area between “Off” and “On.”

5. [25 pts] Create a form named “LastExam” that contains two check boxes named “Passed” and “Not Passed.” When the browser displays your document, the “Passed” check box should be checked. Add a button named “exchange” whose value is “Changed my mind” that, when clicked, will interchange the contents of the two check boxes.
Here is a list of HTML tags and attributes that may or may not be needed.

A HREF TD
A NAME TEXT
ALIGN TH
B TITLE
BGCOLOR TYPE
BODY TR
BORDER U
BR UL
CELLPADDING VALUE
CELLSPACING WIDTH
CENTER TABLE
CHECKBOX
CHECKED
COLOR
COLSPAN
DD
DL
DT
EM
FACE
FONT
FORM
HEAD
HR
HTML
H1, H2, H3, H4, H5, H6
IMG
INPUT
LANGUAGE
LEFT
LI
LINK
OL
ONCLICK
OPTION
P
RADIO
RESET
RIGHT
ROWSPAN
SCRIPT
SELECT
SIZE
SRC
STRONG
SUBMIT