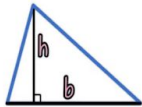# AREA OF A TRIANGLE CALCULATOR

INSTRUCTIONS

Create a program that will calculate the Area of a Triangle based on values provided by the user. Allow the user to supply values for the necessary inputs and when the user clicks a "Calculate" button the program will use the provided inputs to perform the Area of a Triangle calculation and output the results.

Build the web page according to the information inside the assignment folder OR, checklist below. The assignment folder contains:

- all necessary media (images, etc.),
- a screenshot of what the final web page should look like,
- and some style notes to assist you.

CHECKLIST

<u>HTML & CSS</u>

CSS in an external file sheet (2 Marks)

Image is included (2 marks)

Page Layout (4 marks)

- Use a centered-fixed-width layout: page-content-width=600px (70px padding on either side
- Calculator box has a top and bottom padding of 5px and left and right padding of 30px

Fonts (8 marks)

- base font is 'Open Sans', sans-serif
- Use 'cursive' font-family on the first main heading
- Paragraphs have a letter-spacing of 0.3px
- Calculate button is 15px

Colors (8 marks)

- Page background color is purple.
- Calculator box background-color is #b6bcca
- Main Heading (h1) is #808000
- Subheadings (h2) are maroon.

Links (4 marks)

- Tutorial link included:

  "https://www.mathsisfun.com/algebra/trig-area-triangle-without-right-angle.html"

- Add hot pink color on hover

<u>JAVASCRIPTS</u>

Functionality include (4 Marks):

- Event listener
- Inputs into variables
- Process - Calculations
- Output - Show results

Good Looking code(4 Marks):
- Program title
- Use of comments (e.g. events, IPO sections)
- Meaningful variable names
- Proper indent and spacing