

## Please do these assignments :

- 1- On your page, show alert for the user that say “Welcome to my site”, then show him prompt ask him to enter his name and write to the page “ welcome + his name”. (Remark what happen to the home page after writing welcome page).
- 2- Make a function in external JS file, that takes 2 parameters and return sum of them (function return the result, don't alert or print inside it), and make a button that when clicked; asks the user to enter 2 numbers (prompt), call the sum function, and display the result returned by the function in the console.
- 3- Create a function that takes a number as its only argument and returns `true` if it's less than or equal to zero, otherwise return `false`. (use ternary conditional operator).

### Examples

```
lessThanOrEqualToZero(5) → false  
lessThanOrEqualToZero(0) → true  
lessThanOrEqualToZero(-2) → true
```

- 4- Make a function that takes Student faculty as a parameter, checks:
  - a. If the entered faculty: FCI, show message: “You’re eligible to Programing tracks”.
  - b. If the entered faculty: Engineering, show message: “You’re eligible to Network and Embedded tracks”.
  - c. If the entered faculty: Commerce, show message: “You’re eligible to ERP and Social media tracks”.
  - d. For any other faculty, show message: “You’re eligible to SW fundamentals track”.(Use switch(). And why it’s better in that case?).

5-Write a function that takes the base and height of a triangle and `return` its area.

```
triArea(3, 2) → 3  
triArea(7, 4) → 14
```

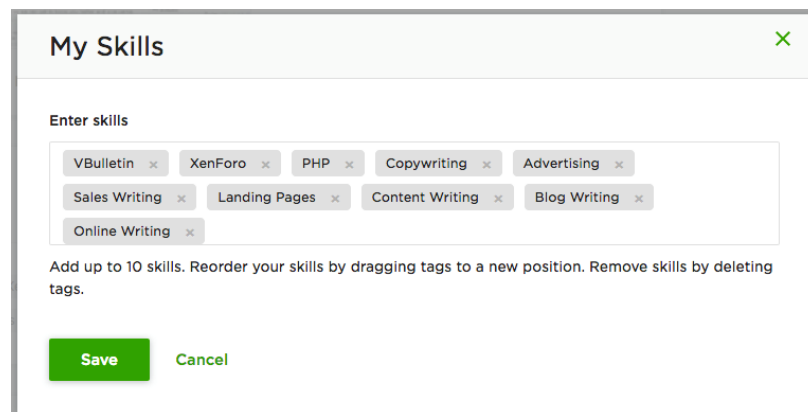
### Notes

- The area of a triangle is: `(base * height) / 2`
- Don't forget to `return` the result.

## Bonus Assignments:

- 1- Make function that write “welcome to my page” 6 times using h1 to h6 header sizes using one line (document.write) javascript code “see attached image” . (Use for loop, and don’t use h1 to h6 explicitly).
- 2- Write the previous output (Q.4) on a table and create the table on runtime, like this:

<b>Name</b>	Ahmed
<b>Birth year</b>	1981
<b>Age</b>	30
- 3- Work on the mentioned self-study topics on the lecture slides:
  - a. What’s XSS (cross-site scripting)?
  - b. What are new features in ES6, with demo?
  - c. What’s TypeScript? And what are its new features?
- 4- Design a list of skills like the following, and when click (X) of each one it should closed.



=====

```
<Script>document.write(“Thank YOU”) </Script>
```