

## JavaScript Lab2

Create javascript external file name it "functionsScript.js" and another external file name it "ConsumingScript.js"

First file will contain all functions (all functions have an input and return value) and the other js file will contain the calling of these functions

Assignment 1: testing hoisting and function's call

1- Create function name it `printVariables(value1,value2,value3)` (as function declaration) takes 3 parameters and return them

a- try to console.log the values of value1,value2,value3 on consumingScript.js file ??

local variables are not accessible outside function's block.

b- Try to call the function before definition line?

c- Call the function with 3 values then print the return

d- Try to call the function with less than 3 parameters

`printVariables(3,5)` .

Then solve the problem of undefined variables

e- What if you call the function with too many parameters ? (more than 3)

Can you print them using (`arguments`)?

f- Define `var localVar=3; testingVar=5;` inside the function's block

Before calling the function try to console.log the values `localVar` and `testingVar`??

g- In step f , call the function and try to print `localVar` and `testingVar`?

h- Define the following variable on your script outside the function

`let localVar=90;`

○ Before calling the function try to console.log the value `localVar`

○ then try to console.log `localVar` after calling the function

- Now try to console.log the value of `localVar` inside the function but before variable's definition line.
- Now inside the function what if you remove `let` from `localVar` and repeat the pervious Steps again?

2- Create a function that takes the following: (search for prompt function )

User name using prompt ( required) if empty show the prompt again to user