

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 as an Array
 - 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`??

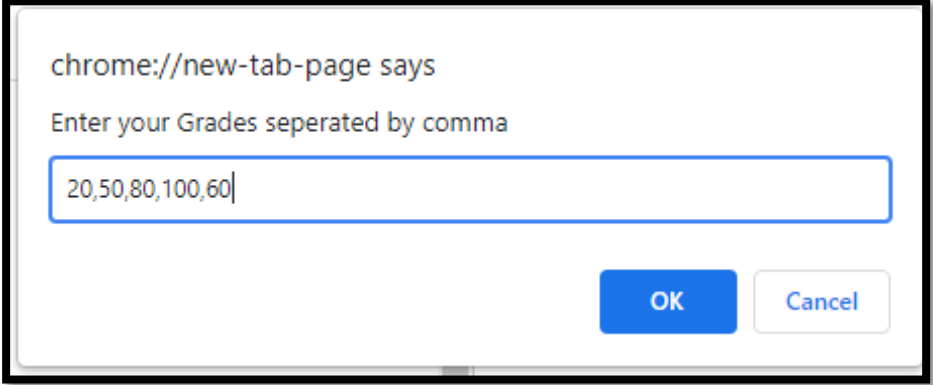
- g- In step f , call the function and try to print localVar and testingVar?
- h- Define the following variable on your script outside the function
`let localVar=90;`
 - o Before calling the function try to console.log the value localVar
 - o then try to console.log localVar after calling the function
 - o Now try to console.log the value of localVar inside the function but before variable's definition line.
 - o Now inside the function what if you remove let from localVar and repeat the previous Steps again?
- 2- Repeat step 1 but define the function as function expression
- 3- Repeat step 1 but define the function as arrow function

Assignment 2: create the following functions:

- 4- Functions accept 2 variables and return the summation result

Testing:

- a- What if you insert less than 2 inputs?
solve this problem using ES6 feature.
 - b- What if the input is not a Number?
Solve this problem using your logic
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- 5- Create a function that takes the following:
 - a- User name using prompt (required)
if empty show the prompt again to user
 - b- User Grades in one prompt like
"90,50,30,10" → search for split function of string type
make sure all entries are numbers otherwise the prompt will pop up again to user.



chrome://new-tab-page says

Enter your Grades seperated by comma

20,50,80,100,60

OK Cancel

then:

Welcome the user by Name on console
and display grades as table on console
after that show the average grade of user's grades.

Bonus(Optional):

Take the course names from user in one prompt separated by comma

Then display on console as Table Coursename, Grade, and
(Success or Fail) each course in one row

success if the grade ≥ 60

Fail if the grade < 60