JavaScript Lab1

1- Create an external JavaScript file and name it external.js ,then define the following variables in this file

    a- Three number variables (number1,number2,number3) with different values (3,2.9,90)

    b- Your firstName variable and your lastName variable

    c- Finally print on log "This is the External JavaScript file"

2- Now inside the html create an embedded tag , then apply the following assignments and print the result on console (console.log function)

    a- Summation of number1 and number2

    b- Summation of number1 and numbers

    c- Summation of flag and number2

    d- Summation of firstName and flag

    e- Summation of number1 and firstName

    f- Multiplication of number1 and flag

    g- Divide number1 and latName

    h- Print your full Name using firstName and lastName variables

    i- Display lastName characters on console as array of charachters

3- Try the following assignments and write your comment

    a- Try to print firstName before the line of the variable definition?

b- According to assignment a ,What if you define the firstName with var? what will appear on console!

c- Create another embedded script before external script in html and try to call firstName ? does the result change if we define firstName with or without var keyword

d- Try to change your firstName character at index 3 ,firstName[3]='A' Then print firstName variable.

4- Create javascript external file name it "functionsScript.js" and another external file name it "FunctionUsingScript.js" First file will contain all assignments functions (all functions have an input and return value) and the other one will contain the calling of these functions

a- Function accept 2 inputs with any type and return the summation result

b-Function accept first , middle and last name of the user and return user full   name (what if any value is undefined at the time of calling ??)

c- Function accept one input take from user and return the factorial

d- Create calculator as JavaScript Function that accept 3 inputs from user (number1,number2,operation) and return the mathematical operation according to the type of operator and show result at alert

e- Create JavaScript function that take the degree of student from user and calculate the grade (Excellent,VGood,Goog,Fail)

f- Function that take two inputs with default values and try all case for return the summation as local variable

g- Make a function to indicate the meaning of (local ,global, hosting)data with debugging it

h- (Bouns) function that take string input and return the char code for it