

JavaScript Lab1

(This lab is for deeply understand the language, try all code blocks and discuss the code with your lab instructor)

- 1- Create your first html file that contains any html tags.
- 2- 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 (3,2.9,0xff)
 - b- Your `firstName` ,`middleName` and `lastName` variables
Note: define `firstName` with `"` , `middleName` with `'` and `lastName` with ```(backtick).
 - c- Define a `flag` variable with value true (**new part just for testing Boolean Data type**)
 - d- Finally print on log "This is the External JavaScript file"
- 3- Try the following assignments and write your comment
 - a- On `External.js` ->print the value of `number1` on console before `number1` definition line ?! true (**new part just for testing**)
 - a- Create another embeded script before external script in html and print the value of `number1`?
 - b- Now add another internal script after `external.js` script in html file and print the same value?
 - c- **WHAT IF** you remove `var` keyword from `number1` definition and repeat the previous 3 steps , does the result change?

- d- Try to change the value of number1, number2 or number 3 on developer tool console? What will happen???
 - e- Try to change your firstName character at index 3
 ,firstName[3]='A'
 Then print firstName variable on console. (new part just for testing)
 - f- Print typeof all your variables
- 4- Now inside the html create an embedded script tag , then apply the following assignments and print the result on console (console.log function)
- a- Summation of number1 and number2
 - b- Summation of flag and number2
 - c- Summation of firstName and flag
 - d- Summation of number1 and firstName
 - e- Multiplication of number1 and flag
 - f- Divide number1 and latName
 - g- Print your full Name with firstName , middleName and lastName variables with string template and backtick (ES6).
 - h- Display all array values on console
- read operators section in the power point presentations.