Sheet 3

Java Script Arrays & Functions

Objectives: On successful completion of this sheet, students should be able to

1. Deal with arrays in JavaScript.
2. Use looping statements in JavaScript.
3. Use functions and events in JavaScript.

Q1) Design an HTML form containing the following:

- One input number
- 2 buttons "insert" and "show"
- One output text
- ➢ When clicking on the first button; the input number is inserted into an array, and show a confirmation message for inserting
- ➢ When clicking on the second button; all the elements on the array are displayed into the output text.

Q2) Write a JavaScript function that returns the first negative elements inside the array. If the array has no negative elements; an error message appears.

Q3) Write a JavaScript function that returns the last negative elements inside the array. If the array has no negative elements; an error message appears.

Q4) Write a JavaScript function that returns the **second biggest** elements inside the array. ~~If the array has no negative elements; an error message appears.~~

Q5) Write a JavaScript function with a parameter 'n' to return the first 'n' elements of the array.

Q6) Write a JavaScript program that displays all the prime numbers inside an array.

Q7) Write a JavaScript program that accepts a mobile number (like 01001234567) then writes it as (+20-100-123-4567).

Q8) Write a JavaScript program that reads number of rows and columns; then either (according to buttons or radio buttons) draws a table of this size or draws a matrix of input numbers of this size.