

Level 2- Spring Semester Course: COMP 206

Sheet 4 Java Script BOM & DOM Objects

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

- 1. Deal with arrays of objects in JavaScript.
- 2. Deal with BOM & DOM-objects in JavaScript.
- 3. Make form-data validation.
- Q1) Write a JavaScript program which has two buttons:
 - Changes the text of all the "h1" headers in an HTML file to be "New Header after Change".
 - Count the number of paragraphs in the current document.
- Q2) Write a JavaScript program that looks like the following figure:



When clicking on the "insert" button, the data entered into the three inputs are used to create a new object from type "Student" and pushed into a global array, then a confirmation message appears:



If the user chooses "Ok" all the data at the three inputs are erased to let the user enter the values of a new student, but if he chooses "Cancel" then the "insert" button disappears.

When clicking on the "show" button, all the data pushed into the array are displayed into the textarea; each student in a new line, as shown below:



- Q3) Rewrite the above program so that when clicking on "show" the results appear into a table.
- Q4) Design the following HTML form, then do the following validations on the entered data:
- First name, Family name and department should be non-empty **Employee Data** Salary should be: First Name Non-empty Number Family name o Between 3000 and 50000 Age should be: Department o Non-empty Number Salary o Between 18 and 70 Mobile should be: Age o Non-empty o Number Mobile Of length 11 exactly Signup The first 3 numbers must be either:

Display an error message suitable to the non-valid entered data, such as:

010, 011, 012, or 015

