



## Sheet 5

### Java Script Arrays of Objects & BOM Objects

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

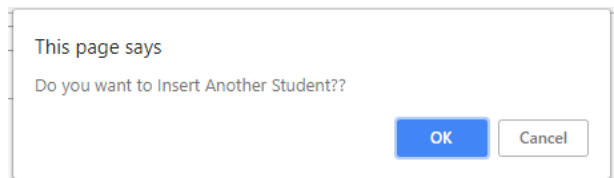
1. Deal with arrays of objects in JavaScript.
2. Deal with BOM-objects in JavaScript.

Q1) Write a JavaScript program which changes the text of all the “h1” headers in an HTML file to be “New Header after Change”.

Q2) Write a JavaScript program that looks as the following figure:

The form contains three input fields: 'ID:', 'Nmae:', and 'Program:'. The 'Program:' dropdown menu is open, showing options: 'CS', 'CS-Math', 'CS-Stat', and 'CS-Physics'. To the right of the inputs are two buttons: 'insert' and 'show'.

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 text-area; each student in a new line, as shown below:

The form shows the same input fields as before, but the 'show' button is now visible. Below the input fields, the text area displays the following data:

```
ID:1 Nmae: aaa Program: CS
ID:2 Nmae: bbb Program: CS-Math
ID:3 Nmae: ggg Program: CS
ID:4 Nmae: rrr Program: CS
ID:4 Nmae: zzz Program: CS-Stat
```

Q3) Rewrite the above program so that when clicking on “show” the results appear into a table.