

# *Dynamic Web Authoring – COM 353*

## *JavaScript Array Functions*

### **Task 0 – Get Informed**

Read through the lecture notes and linked resources provided before starting the practical exercises.

### **Task 1 – Working with Arrays**

Using Javascript to create an array to store two university names in Northern Ireland;

Similarly, create an array to store four campus names of University of Ulster;

Now, create an array to store the following courses' names: 'Software Engineering', 'Computer Science', 'Interactive Multimedia Design' and 'Information Communication Technology';

Using the array element to retrieve information related to your course name/university/campus to display the information of "I'm a third year XX (your course name) student in xx (replaced by the university name) at xx (replaced by campus name)" on the web browser (you can use window.document.write method or window.alert method).

Save the page as Practical5\_Q2.html. (you can use firefox or chrome to debug the errors)

### **Task 2 – Working with Functions**

aCreate a function named as DisplayTex (inputtext), the function will display the string of inputtext on a web browser when it is called. (hint: use document.write(inputtext) ).

Modify the Practical5\_Q2.html created above by using the DisplayTex (inputtext) function (place the function in the head section and call the function in head section) to display the information above. Save the file as Practical5\_Q3b.html and run it in a web browser.

Copy the function to a text editor and save the file as myjslib.js. Modify Practical5\_Q3b.html by using myjslib.js as an external JavaScript library (refer to lecture notes). Save the page as Practical5\_Q3c.html

Modify the code above and create a form in the html body section to gather user's name using text input field, and adding a display button on the form. When the display button is clicked, call the function to display the visitor's name with a welcome message, such as "John, Welcome to JavaScript homepage!" (hint: refer to example listing 1.3). Save the JavaScript file as Practical5\_Q3d.html

In the form above, add three selection menus (drop-down lists) to allow user select the University's name, campus, course title, and then display the selected information on the browser using JavaScript.

### **Task 3 - Update the Learning Log**

In learning log, summarise the learning activities and the techniques you used, also provide the links to the html files that you developed in the above tasks.