

## INFO 151 – Web Systems and Services

### Week #5: Coursework

**1. Access the Moodle INFO 151 web site:**

- a. Complete this activity each week (Note: this activity will contribute to your final grade).
- b. Respond and post your response to the weekly discussion questions posted in the Moodle INFO 151 web site set weekly in weeks #1 to #9.
- c. Reply and respond to student postings to the discussion questions.

**1. Read and understand the concepts of:**

- a. Object and Object-Oriented Programming (OOP)
- b. JavaScript selection methods using conditional operators to select from a range of alternatives
- c. The nature of array and objects in general programming and in JavaScript including indexing and associative arrays
- d. JavaScript iteration using loops to repeat a program run until a condition is satisfied or a termination criterion is reached
- e. Creating and working with arrays and array elements including accessing and arrays with the output
- f. Array iteration (looping through arrays)
- g. Merging multiple arrays into a single array

**1. Object Orientation:**

- a. Read and investigate the motivation for Object-Oriented Programming (OOP) and inheritance.
- b. Prepare and submit a written summary of the fundamental principles of OOP.
- c. Submit the summary over Moodle (answer the Week#1 discussion questions) as a Moodle post and respond to other posts with your comments (assessed a part of the attendance grade).

**2. JavaScript exercises:**

- a. Complete the JavaScript programming exercises set out in the document: Weeks #4 #5 #6 JavaScript Exercises.