Chapter: Arrays

This exercise is intended for students to:

1. apply one-dimension arrays techniques to solve a related problem
2. classify the scenario in applying the one-dimension array

LAB EXERCISE 1

Tasks:

UMP wants to improvise the manual subject registration to an automated system. Figure 1 shows the manual form that student needs to fill in. In normal practice, student can register up to 18 total credits in one semester. Your task is to develop a program that allow student to do the subject registration through online. Please construct a flow chart first and code the program based on the flow chart and apply function elements in the program.

Tips:

1. Who is the end user?
2. Use array for subject code, subject name and subject credit to help you in storing the information from the user.
3. Ask user to enter how many subject to be registered. (this will help you to know how many size of array)
4. Define the next processes:……..
5. Print out the output, for example in Figure 2.

Universiti Malaysia PAHANG

SUBJECT REGISTRATION FORM

1) STUDENT NAME : ……

2) STUDENT ID : ……

3) SEMESTER : ……..…..

4) ACADEMIC ADVISOR : ……

4)

SUBJECT CODE	SUBJECT NAME	SUBJECT CREDIT
	TOTAL CREDIT:	

Figure 1: Manual Subject Registration Form

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                        University of Gambang
                     Subjects Registration Form
       ============================================================
                        University of Gambang
                     Subjects Registration Form
    ================================================================
Name: Muhammad Fatih
Student ID: CB09100
Total Subjects: 5
-----------------------------------------------------------------
Subject Name              Subject Code        Credit
-----------------------------------------------------------------
Programming Technique           DCS1053                  3
Current Issues in ICT           DCS1062                  3
Object Oriented Programming     DCS1083                  3
Web Programming                 DCS3023                  3
Mathematics                     DUM2043                  3
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Total Credits:                                           15

Academic Advisor: Rahiwan Nazar
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Figure 2: Expected final output