

## **Week 5 Lab: Introduction to C++**

Refer to The Lab 4 of the Lab Module.

Submit:

1. Exercise 3, No. 4 (pg. 55)
2. A customer in a store is purchasing five items. The prices of the five items are:

Price of item 1 = RM12.95

Price of item 2 = RM24.95

Price of item 3 = RM6.95

Price of item 4 = RM14.95

Price of item 5 = RM3.95

Write a pseudo code, flowchart and C++ program that hold the prices of the five items in five variables. Display each item's price, the subtotal of the sale, the amount of sales tax, and the total. Assume the sales tax is 6%.

3. A soft drink company recently surveyed 12,467 of its customers and found that approximately 14% of those surveyed purchase one or more energy drinks per week. Of those customers who purchase energy drinks, approximately 64% of them prefer citrus flavored energy drinks. Write a pseudo code, flowchart and C++ code that displays the following:
  - a. The approximate number of customers in the survey who purchase one or more energy drinks per week.
  - b. The approximate number of customers in the survey who prefer citrus flavored energy drinks.

### **Instruction:**

1. This lab MUST be submitted by **Tuesday (18/10/11)** before 4 p.m. at my office.
2. For all exercises, you are required to submit a **PRINTED hardcopy** for each.
3. For all exercises, you are required to **print a sample output** for each
4. Failure to submit this lab on time will cost you **5 marks/day**.