THE UNIVERSITY OF THE WEST INDIES
Department of Computing
COMP1126–Introduction to Computing I
Tutorial 2A

Question 1
Write a function in python called **smallest** by modifying question 3b from tutorial 1b to take in 3 numbers and return the smallest number.

Question 2
The law of cosines states that given three sides of a triangle (a,b and c) , the angleC between sides a and b can be given by $c^2 = a^2 + b^2 - 2*a*b*\cos(angleC)$. Similarly the other two angles can also be calculated. Write Python code which given three sides of a triangle as input calculates the angles and returns the smallest angle. You may use the function **smallest** written earlier to calculate which angle is the smallest.

Question 3
Write a function in python called **salesTotal** that accepts as its inputs the price of an item, and the number of units of the item purchased. The function should compute and return the total charge for the item applying any discount according to the following rules:
- - No discount is given if 5, or less, units are bought.
- - 10% discount if more than 5 units up to 10 units are bought.
- - 12½% discount if more than 10 units are bought.