**Lab 3: Collection and Generic**

1. Write a program to calculate addition, subtraction, multiplication, and division using generics.

2. Write a C# program to illustrate the use of ArrayList

• Create a Product class with fields: name, cost, quantity

• Override the ToString method of the Product class to return the information string of the Product

• Write code to add 5 products to the ArrayList and display them on the screen

3. Write a program using the Hashtable class according to the following requirements:

• Create a hashtable to store a list of days of the week with keys from 1-7

• Find Tuesday and print a message if found or not

• Print out the days of the week, including both the key and value.

4. Use generics to write a program to swap two elements of any data type.