**1050 Programming Logic**

Lab 10 – Collections and LINQ

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***Instructions:*** *Complete the following exercises. Push your code to github and share the URL to your repository by submitting it to Blackboard.*

* Given the following code, output all the elements using a foreach loop. (2 points)

var fruits = new[] { "apple", "mango", "orange", "apricot", "cherry", ”grape”,” blueberry” };

* Write a LINQ query to convert all fruit names in the above array to uppercase select fruit names that start with an “A”. Use a foreach loop to display the query results.(5 points)
* Create a 6-element List<T> collection to store the names of last six months of the year. Display the Count and Capacity of the creation. Use a for loop to display the last six months of the year. Insert the first six months of the year into this List in the right sequence. Use a for loop to display the twelve months of the year in the right sequence from the List. (4 points)
* Remove the first six -months from the above List. Display the Count and Capacity of the List. Write a LINQ query to select all the months that end with the letters “ary”. Display the query results with a foreach loop.(4 points)