Q1)

```
using System;
using System.Collections;
using System.Collections.Generic;
public class CustomArray<T> : IEnumerable<T>
    private T[] array;
    private int startIndex;
    public CustomArray(int length, int startIndex)
        if (length <= 0)</pre>
            throw new ArgumentException("Length must be greater than zero.");
        this.array = new T[length];
        this.startIndex = startIndex;
    }
    public int FirstIndex => startIndex;
    public int LastIndex => startIndex + array.Length - 1;
    public int Length => array.Length;
    public T this[int index]
        get
            CheckIndex(index);
            return array[index - startIndex];
        }
        set
        {
            CheckIndex(index);
            array[index - startIndex] = value;
    }
    public T[] ToStandardArray()
        return array;
    private void CheckIndex(int index)
        if (index < startIndex || index >= startIndex + array.Length)
            throw new IndexOutOfRangeException($"Index {index} is out of
range.");
    // Low Level Functionality
    public static CustomArray<T> CreateEmpty(int length, int startIndex)
        return new CustomArray<T>(length, startIndex);
    }
    // Advanced Level Functionality
```

```
public static CustomArray<T> CreateFromArray(int startIndex, params T[]
values)
    {
        var customArray = new CustomArray<T>(values.Length, startIndex);
        for (int i = 0; i < values.Length; i++)</pre>
            customArray[i + startIndex] = values[i];
        }
        return customArray;
    }
    public IEnumerator<T> GetEnumerator()
        return ((IEnumerable<T>)array).GetEnumerator();
    }
    IEnumerator IEnumerable.GetEnumerator()
        return array.GetEnumerator();
    }
}
public class Program
    public static void Main(string[] args)
        // Example usage of CustomArray
        CustomArray<int> intArray = CustomArray<int>.CreateFromArray(0, 1, 2, 3,
4);
        foreach (var item in intArray)
            Console.WriteLine(item);
        }
    }
}
```

OUTPUT:

