

### **Basic Collections and String Manipulation - Task 3**

#### **Program to manage a list of strings :**

```
using System.Collections.Generic;
using System;

namespace Program
{
    class List{
        static void Main(string[] args){

            List<string> cities = new List<string>();
            string line = new string('-',50);

            while (true){
                Console.WriteLine(line);
                Console.WriteLine("Select your option : ");
                Console.WriteLine("1.Add 2.Remove 3.Display 4.Any other key to exit");
                int useroption = Convert.ToInt32(Console.ReadLine());

                if(useroption==1){
                    Console.WriteLine("Enter city name : ");
                    string city = Console.ReadLine();
                    cities.Add(city.Trim().ToUpper());
                    Console.WriteLine("Added successfully!");
                }
                else if(useroption==2){
                    Console.WriteLine("Enter item to be removed : ");
                    string rem = Console.ReadLine();
                    cities.Remove(rem.Trim().ToUpper());
                    Console.WriteLine("Item Removed successfully!");
                }
                else if(useroption==3){
                    if(cities.Count==0){
                        Console.WriteLine("No items in the list.");
                    }
                    else{
                        Console.WriteLine("Items in the list are : ");
                        foreach (string item in cities){
                            Console.WriteLine(item);
                        }
                    }
                }
                else
                    continue;
            }
        }
    }
}
```

```
        break;
    }
}
}
```

**Output :**

```
-----
Select your option :
1.Add 2.Remove 3.Display 4.Any other key to exit

Enter city name :
chennai
Added successfully!
-----
Select your option :
1.Add 2.Remove 3.Display 4.Any other key to exit
1
Enter city name :
pune
Added successfully!
```

```
-----
Select your option :
1.Add 2.Remove 3.Display 4.Any other key to exit
3
Items in the list are :
CHENNAI
PUNE
-----
Select your option :
1.Add 2.Remove 3.Display 4.Any other key to exit
2
Enter item to be removed :
pune
Item Removed successfully!
```

```
-----  
Select your option :  
1.Add 2.Remove 3.Display 4.Any other key to exit  
3  
Items in the list are :  
CHENNAI  
-----  
Select your option :  
1.Add 2.Remove 3.Display 4.Any other key to exit  
2  
Enter item to be removed :  
chennai  
Item Removed successfully!
```

```
-----  
Select your option :  
1.Add 2.Remove 3.Display 4.Any other key to exit  
3  
No items in the list.  
-----  
Select your option :  
1.Add 2.Remove 3.Display 4.Any other key to exit  
4
```