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COMPUTER PROGRAMMING

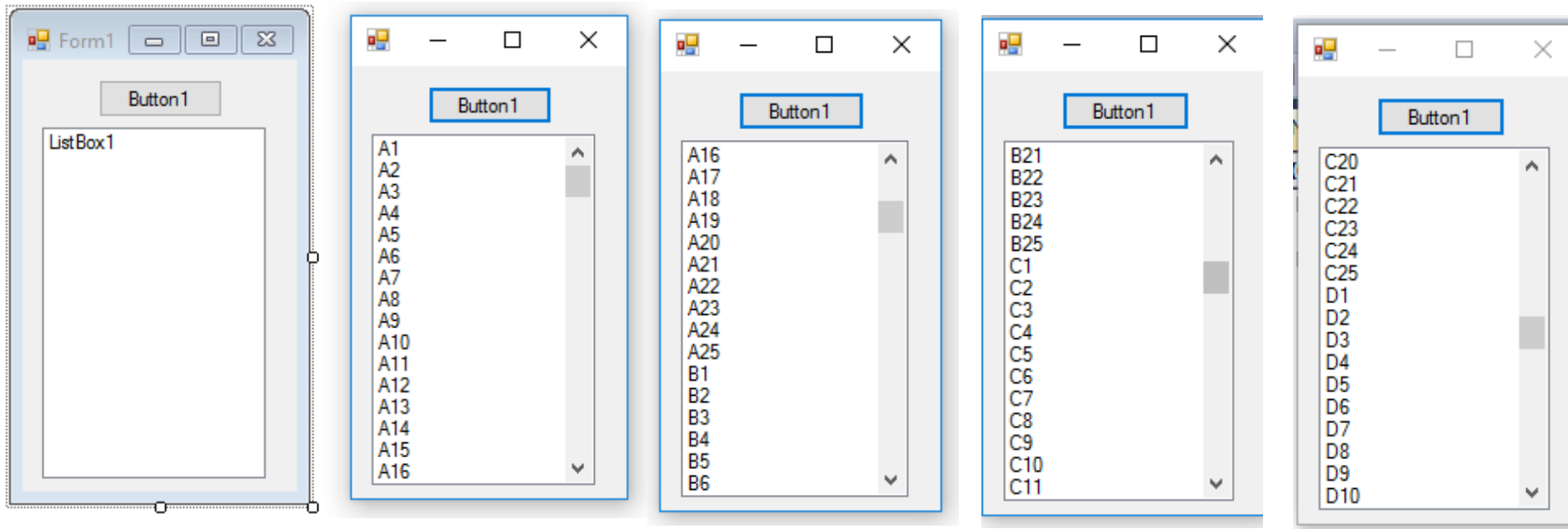
REPETITION (LOOPS) – 2 (Exercise)

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Exercise 21 – Nested For...Next Loop



For i As Integer = 65 To 70

For j As Integer = 1 To 25

ListBox1.Items.Add(Chr(i) & j)

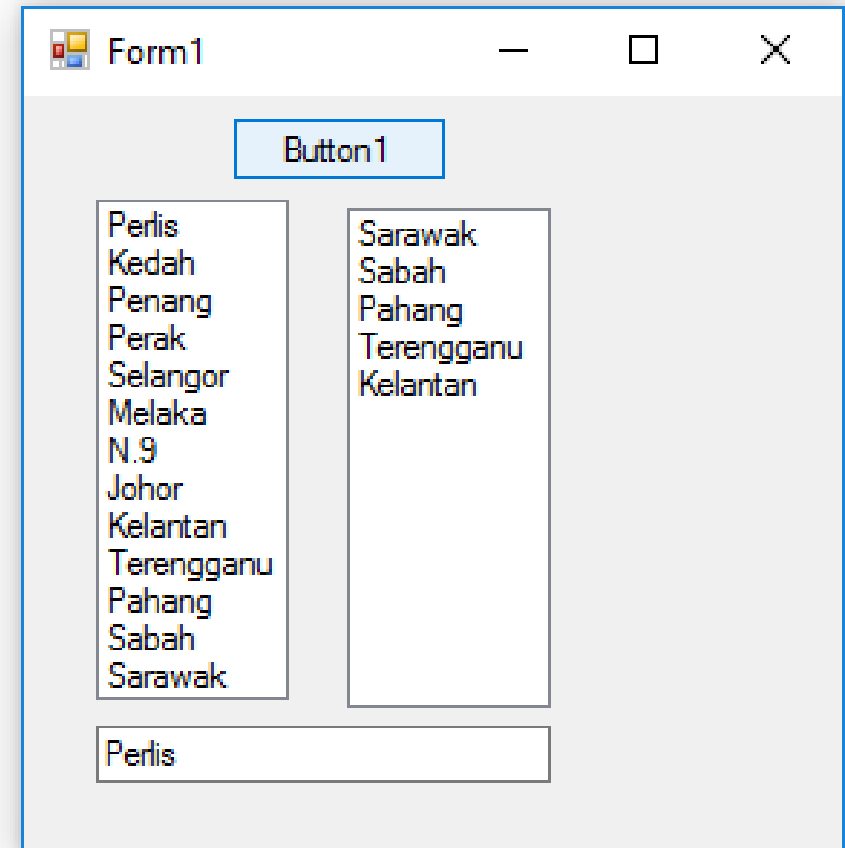
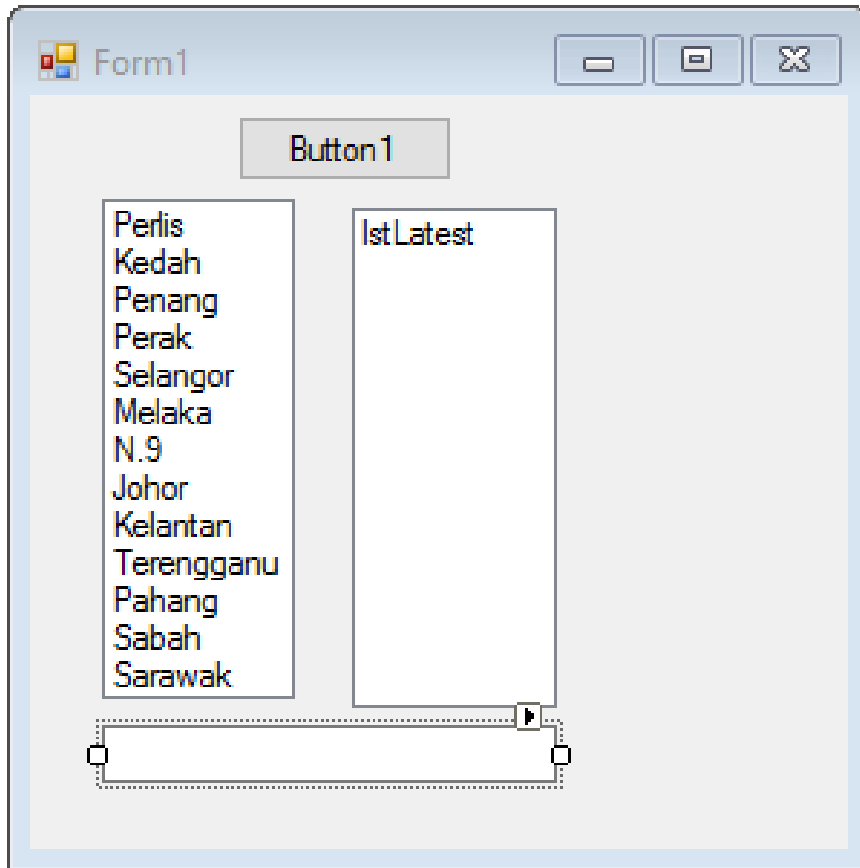
Next

Next

Outer loop

Inner loop

Exercise 22 – String Populated ListBox (Form and Output)



Exercise 22 – String Populated ListBox (Code)

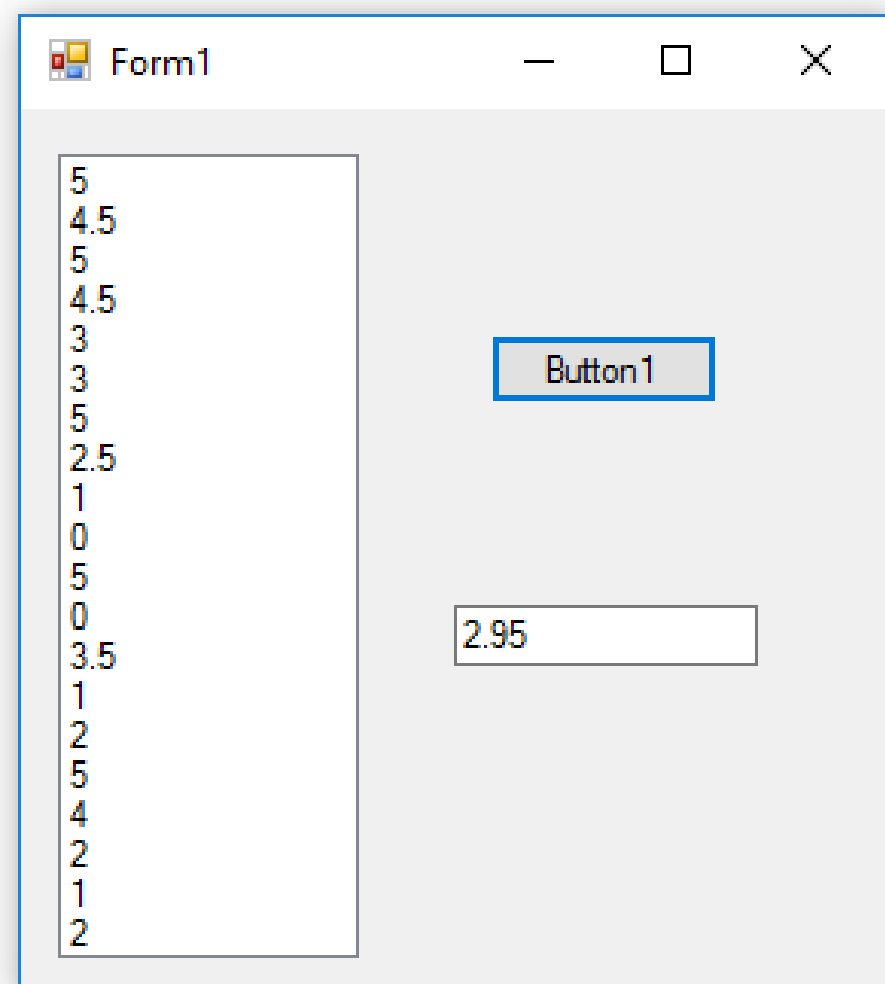
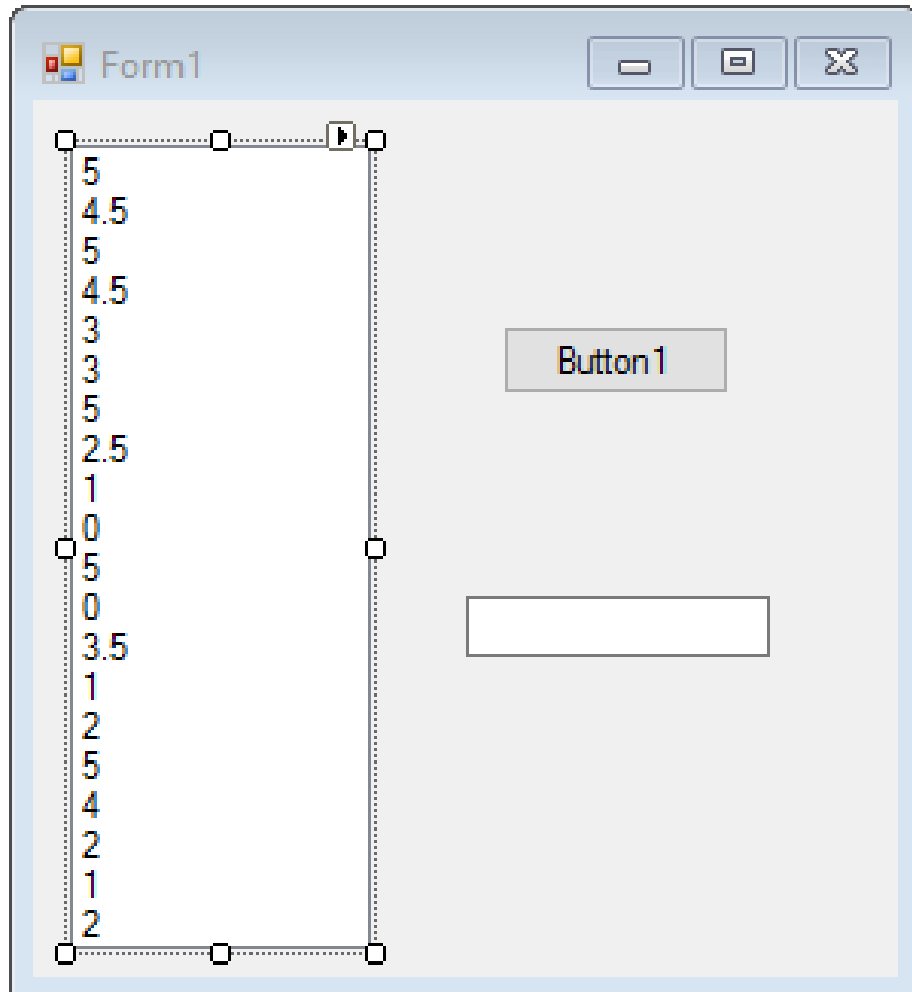
```
Private Sub Button1_Click(ByVal sender As  
System.Object, ByVal e As System.EventArgs)  
Handles btnDisplay.Click
```

```
    Dim n As Integer = lstState.Items.Count  
    For i As Integer = (n - 1) To (n - 5) Step -1  
        lstLatest.Items.Add(lstState.Items(i))  
        txtOutput.Text = lstState.Items(0)
```

```
    Next
```

```
End Sub
```

Exercise 23 – Numeric Populated ListBox (Form and Output)



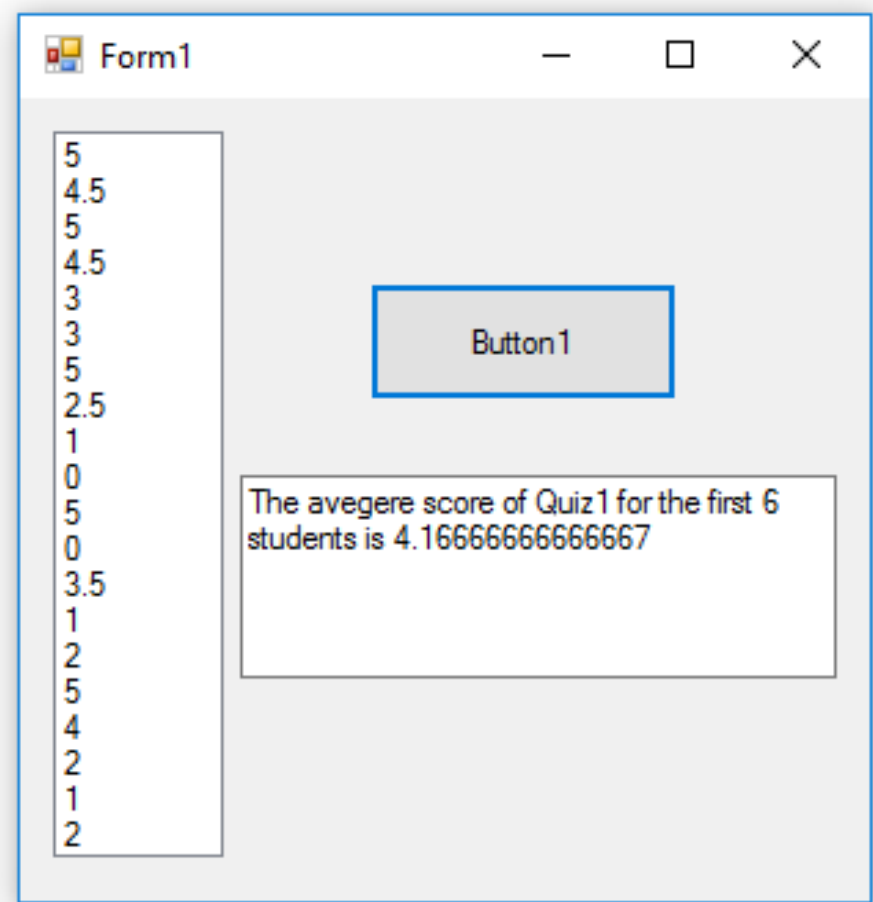
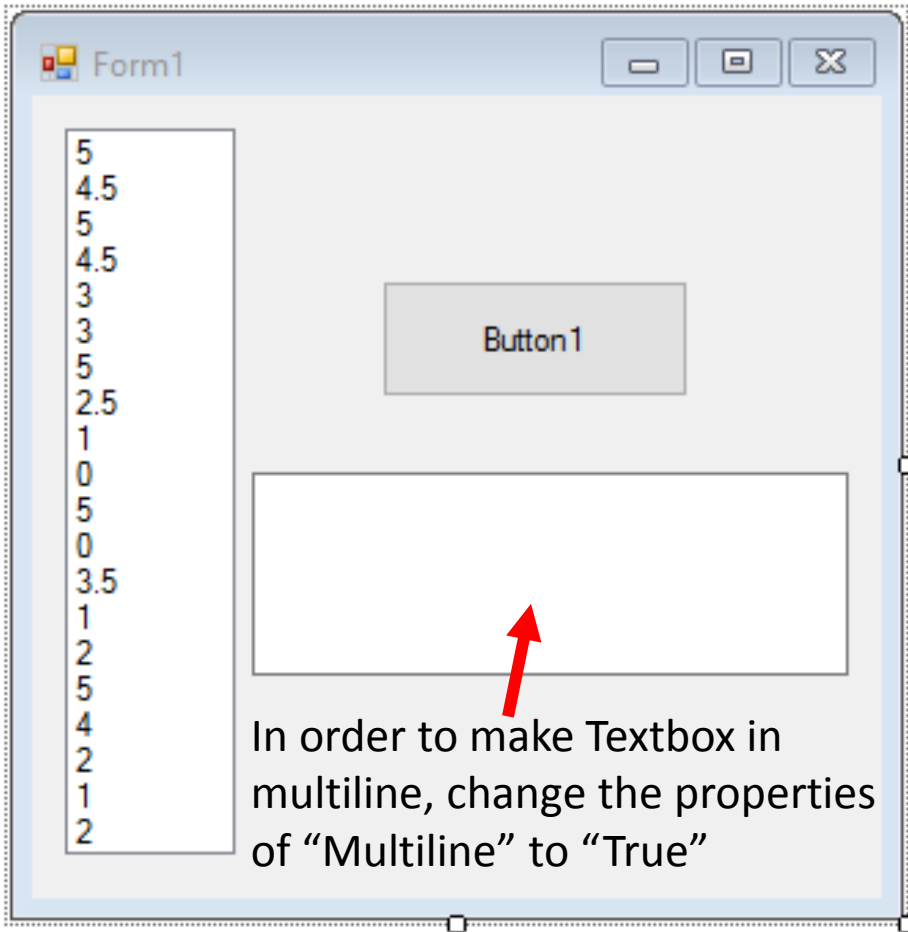
Exercise 23 – Numeric Populated ListBox (Code)

```
Private Sub btnAverage_Click(ByVal sender As  
System.Object, ByVal e As System.EventArgs)  
Handles btnAverage.Click
```

```
    Dim n As Integer = lstQuiz1.Items.Count  
    Dim sum As Double = 0  
    For i As Integer = 0 To (n - 1)  
        sum += lstQuiz1.Items(i)  
    Next  
    txtAverage.Text = (sum / n)
```

```
End Sub
```

Exercise 24 – Numeric Populated ListBox-Selected (Form and Output)



Exercise 24 – Numeric Populated ListBox-Selected (Code)

```
Private Sub btnAverage_Click(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles btnAverage.Click
```

```
    Dim n As Integer = lstQuiz1.Items.Count
```

```
    Dim sum As Double = 0
```

```
    For i As Integer = 0 To (n - 15)
```

```
        sum += lstQuiz1.Items(i)
```

```
    Next
```

```
    txtAverage.Text = "The average score of Quiz1 for the  
                        first 6 students is " & (sum / (n - 14))
```

```
End Sub
```