

Lab sheet 10.4: Data Management

Requirement:

Determine the output displayed when the button is clicked as follows:

Question 1

```
Private Sub btn1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn1.Click
    Dim sum As Double
    Dim connStr As String = "Provider=Microsoft.Jet.OLEDB.4.0;" & _
        "Data Source=MEGACITIES.MDB"
    Dim sqlStr As String = "SELECT * FROM Cities"
    Dim dataAdapter As New OleDb.OleDbDataAdapter(sqlStr, connStr)
    Dim dt As New DataTable()
    dataAdapter.Fill(dt)
    dataAdapter.Dispose()
    lstOutput.Items.Clear()
    sum = 0
    For i As Integer = 0 To dt.Rows.Count - 1
        sum += Cdbl(dt.Rows(i)("pop2015"))
    Next
    txtOutput.Text = sum & " million"
End Sub
```

Question 2

```
Private Sub btn2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn2.Click
    Dim connStr As String = "Provider=Microsoft.Jet.OLEDB.4.0;" & _
        "Data Source=MEGACITIES.MDB"
    Dim sqlStr As String = "SELECT * FROM Cities"
    Dim dataAdapter As New OleDb.OleDbDataAdapter(sqlStr, connStr)
    Dim dt As DataTable = New DataTable()
    dataAdapter.Fill(dt)
    dataAdapter.Dispose()
    txtOutput.Clear()
    lstOutput.Items.Clear()
    For i As Integer = 0 To dt.Rows.Count - 1
        If Cdbl(dt.Rows(i)("pop2015")) > 22 Then
            lstOutput.Items.Add(dt.Rows(i)(0))
        End If
    Next
End Sub
```

End If

Next

End Sub

Remarks: The above exercises can be referred to “An Introduction to Programming Using Visual Basic 2005, page 70-71” of Exercise 3.2, Questions: 33-34.