Homework #5 McKinney CE311K

Subprocedure Problems - I

Problem 1. Text, Chapter 5-1, page 178, Problem 1

```
Time's fun when you're having flies. Kermit the frog
```

Problem 2. Text, Chapter 5-1, page 178, Problem 4

```
Hello GEORGE
How are you today?
```

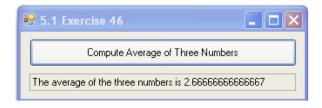
Problem 3. Text, Chapter 5-1, page 181, Problem 18

```
640 acres in a square mile
```

Problem 4. Text, Chapter 5-1, page 182, Problem 20

The balance after 1 year is 108

Problem 5. Text, Chapter 5-1, page 187, Problem 46



```
Private Sub btnCompute_Click(ByVal sender As System.Object, ByVal e As System.

Dim num1, num2, num3 As Double

'Display the average of three numbers

num1 = CDb1(InputBox("Enter the first number:"))

num2 = CDb1(InputBox("Enter the second number:"))

num3 = CDb1(InputBox("Enter the third number:"))

Average(num1, num2, num3)

End Sub

Sub Average(ByVal num1 As Double, ByVal num2 As Double, ByVal num3 As Double)

'Display the average of the three numbers.

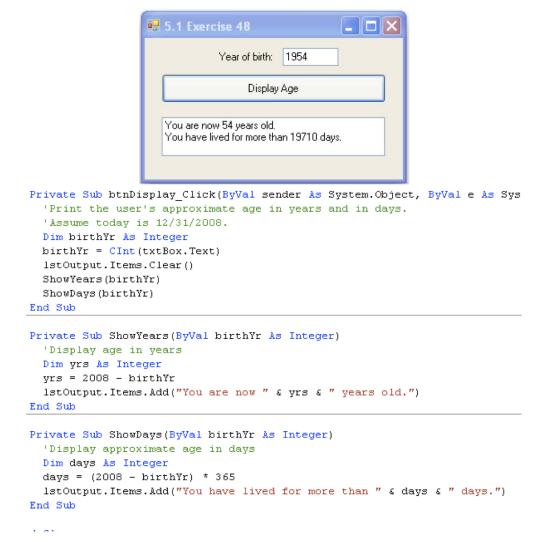
Dim avg As Double

avg = (num1 + num2 + num3) / 3

txtOutput.Text = "The average of the three numbers is " & avg

End Sub
```

Problem 6. Text, Chapter 5-1, page 188, Problem 48



Subprocedure Problems - II

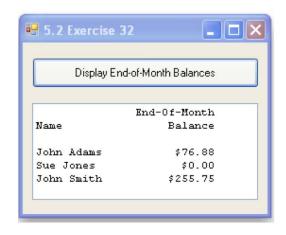
Problem 7. Text, Chapter 5-2, page 198, Problem 8

```
Approximate Annual Wage: $20,000.00
```

Problem 8. Text, Chapter 5-2, page 200, Problem 18

```
With tax, price is $210.00
```

Problem 9. Text, Chapter 5-2, page 203, Problem 32



```
Public Class frmBalances
   Dim fmtStr As String = "{0,-15}{1,12:C}"
private Sub btnDisplay_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) 1
     'Display end-of-month credit card balances
     Dim sr As IO.StreamReader = IO.File.OpenText("CHARGES.TXT")
     Dim name As String = ""
     lstOutput.Items.Clear()
     DisplayHeader()
     GetData DisplayBalance(sr)
     GetData_DisplayBalance(sr)
     GetData DisplayBalance(sr)
     sr.Close()
   End Sub
Sub DisplayHeader()
    lstOutput.Items.Add(String.Format(fmtStr, "", "End-Of-Month"))
     lstOutput.Items.Add(String.Format(fmtStr, "Name", "Balance"))
     lstOutput.Items.Add("")
   End Sub
     Sub GetData DisplayBalance(ByVal sr As IO.StreamReader)
       Dim name As String
       Dim balance, beginBal, purchases, payment As Double
       name = sr.ReadLine
       beginBal = CDbl(sr.ReadLine)
       purchases = CDb1(sr.ReadLine)
       payment = CDb1(sr.ReadLine)
       ComputeBalance(beginBal, purchases, payment, balance)
       'Display the balance
       lstOutput.Items.Add(String.Format(fmtStr, name, balance))
     End Sub
     Sub ComputeBalance(ByVal beginBal As Double, ByVal purch As Double, _
                         ByVal payment As Double, ByRef endBal As Double)
       'Compute the balance
       Dim financeChg As Double 'finance charges
       financeChg = 0.015 * beginBal
       endBal = financeChg + beginBal + purch - payment
     End Sub
  End Class
```