

9 Quarterly Sales Program

Form1

File

Edit

Quarterly Sales Figures

Name

1

2

3

4

Susan Mullins

999

900

875

769

3543

354.3

Sean Dunlea

500

650

450

354

1954

195.4

Pat Murray

400

450

355

245

1450

145

Save

Total

Commission

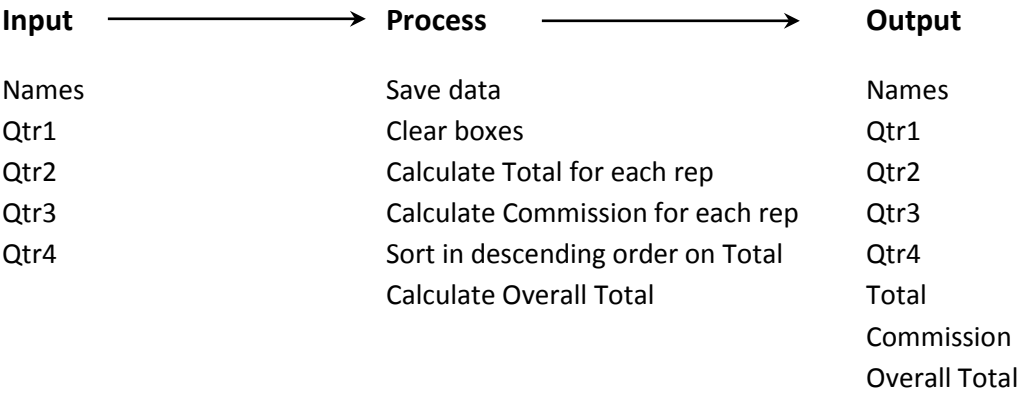
Quit

Sort

OverallTotal

6947

Planning Stage



Memory Requirements

Data Storage Required (Memory)

Names	Qtr1	Qtr2	Qtr3	Qtr4	Total	Commission	No_of_Reps

Algorithm

Save Button

Put Name, Quarter1, Quarter2, etc. into memory
Clear textboxes
Add 1 to No_of_Reps

Total Button

Add Quarter1, Quarter2, Quarter3, Quarter4
Store in memory
Display on screen

Commission Button

Multiply Total for each Rep by 0.1 (same as 10%)
Store in memory
Display on screen

Sort Button

Sort all arrays based on Total array being in descending order
Display on screen

VB Source Code

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'Name: Ray O'Connor
'Class: Software Development

'Set aside memory for storing Names, etc
Dim aNames(20) As String, aQ1(20) As Single, aQ2(20) As Single, aQ3(20) As Single,
aQ4(20) As Single, No_of_Reps As Integer
Dim aTotal(20) As Single, aCommission(20) As Single
Dim c As Integer
Dim sText As String
Dim sAverage As Single
Dim OverallTotal As Single
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    Private Sub btnSave_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnSave.Click
    'Saves the data into memory(Arrays)
    aNames(No_of_Reps) = txtName.Text
    aQ1(No_of_Reps) = Val(txtQ1.Text)
    aQ2(No_of_Reps) = Val(txtQ2.Text)
    aQ3(No_of_Reps) = txtQ3.Text
    aQ4(No_of_Reps) = txtQ4.Text

    No_of_Reps = No_of_Reps + 1
    ' clears textboxes
    txtName.Clear()
    txtQ1.Text = ""
    txtQ2.Text = ""
    txtQ3.Text = ""
    txtQ4.Text = ""

End Sub

    Private Sub btnTotal_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnTotal.Click
    txtDisplay.Clear()
    For c = 0 To No_of_Reps - 1
        aTotal(c) = aQ1(c) + aQ2(c) + aQ3(c) + aQ4(c)
        txtDisplay.Text = txtDisplay.Text & aNames(c) & vbTab & aQ1(c) & vbTab &
aQ2(c) & vbTab & aQ3(c) & vbTab & aQ4(c) & vbTab & aTotal(c) & vbCrLf
    Next c
End Sub

    Private Sub btnCommission_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnCommission.Click
    txtDisplay.Clear()
    For c = 0 To No_of_Reps - 1
        aCommission(c) = aTotal(c) * 0.1
        txtDisplay.Text = txtDisplay.Text & aNames(c) & vbTab & aQ1(c) & vbTab &
aQ2(c) & vbTab & aQ3(c) & vbTab & aQ4(c) & vbTab & aTotal(c) & vbTab & aCommission(c) &
vbCrLf
    Next c
End Sub

    Private Sub btnQuit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnQuit.Click
    Me.Close()
End Sub

    Private Sub btnOverallTotal_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnOverallTotal.Click
    For c = 0 To No_of_Reps - 1
        OverallTotal = OverallTotal + aTotal(c)
    Next c
    lblOverallTotal.Text = OverallTotal
End Sub

    Private Sub mnuSave_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles mnuSave.Click
    btnSave_Click(sender, e)

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End Sub

Private Sub btnSort_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnSort.Click

    Dim temp As String
    Dim a, b As Integer

    For a = 0 To No_of_Reps - 1
        For b = a + 1 To No_of_Reps
            If (aTotal(a) < aTotal(b)) Then
                temp = aTotal(b)
                aTotal(b) = aTotal(a)
                aTotal(a) = temp

                temp = aQ1(b)
                aQ1(b) = aQ1(a)
                aQ1(a) = temp

                temp = aQ2(b)
                aQ2(b) = aQ2(a)
                aQ2(a) = temp

                temp = aQ3(b)
                aQ3(b) = aQ3(a)
                aQ3(a) = temp

                temp = aQ4(b)
                aQ4(b) = aQ4(a)
                aQ4(a) = temp

                temp = aNames(b)
                aNames(b) = aNames(a)
                aNames(a) = temp

                temp = aCommission(b)
                aCommission(b) = aCommission(a)
                aCommission(a) = temp
            End If
        Next b
    Next a

    txtDisplay.Clear()
    For c = 0 To No_of_Reps - 1
        txtDisplay.Text = txtDisplay.Text & aNames(c) & vbTab & aQ1(c) & vbTab &
aQ2(c) & vbTab & aQ3(c) & vbTab & aQ4(c) & vbTab & aTotal(c) & vbCrLf
    Next c

End Sub

Private Sub mnuQuit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles mnuQuit.Click
    End
End Sub

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