

Public Class Form1

Dim Dt1 As DataTable

Dim DV As DataView

Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Dim P1 As New Collection

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P1.Add({"ADSOYAD", "SEHIR", "TELEFON", "YAS", "MAAS", "GIRIS"})
P1.Add({"TELAT TÜRKYILMAZ", "KARAMAN ", "212 53 26", "16", "8207", "27.11.2007"})
P1.Add({"TEKİN ERDİL ", "GÜMÜŞHANE ", "212 78 38", "33", "1162", "28.08.2012"})
P1.Add({"İZZET SELÇUK ", "ORDU ", "212 06 42", "28", "7078", "22.12.2017"})
P1.Add({"SONGÜL ÖZTÜRK ", "SİİRT ", "212 59 82", "29", "10400", "7.11.2016"})
P1.Add({"BARIŞ VATANSEVER ", "ZONGULDAK ", "212 61 50", "18", "8588", "16.04.2019"})
P1.Add({"ELVAN IRMAK ", "ESKİŞEHİR ", "212 29 83", "21", "2204", "8.05.2017"})
P1.Add({"GÜLLÜ KELEŞ ", "GÜMÜŞHANE ", "212 63 51", "19", "6433", "29.07.2018"})
P1.Add({"UFUK ESKİ ", "ÇANAKKALE ", "212 74 28", "28", "6876", "11.11.2018"})
P1.Add({"MEHMET KULAKSIZOĞLU ", "MANİSA ", "212 88 04", "34", "4902", "11.07.2012"})
P1.Add({"İPEK SAMSUN ", "ISPARTA ", "212 34 20", "20", "10390", "13.11.2018"})
P1.Add({"FATİH DEMİRCİ ", "İSTANBUL ", "212 15 25", "26", "2163", "12.02.2007"})
P1.Add({"İLYAS ODABAŞ ", "GAZİANTEP ", "212 08 46", "27", "8927", "23.03.2019"})
P1.Add({"AYKUT BAHTİYAR ", "ARDAHAN ", "212 22 04", "29", "6040", "18.06.2018"})
P1.Add({"CEREN CEYLAN ", "MALATYA ", "212 44 16", "34", "5902", "22.12.2017"})
P1.Add({"GÖKHAN DUMAN ", "ISPARTA ", "212 42 20", "27", "2298", "13.05.2018"})
P1.Add({"HALDUN SAKARYA ", "ÇANKIRI ", "212 77 26", "21", "1498", "9.02.2019"})
P1.Add({"SERHAN ÜĞÜTÜCÜ ", "DENİZLİ ", "212 25 23", "16", "5424", "19.10.2015"})
P1.Add({"METİN BAHAR ", "NİĞDE ", "212 83 40", "28", "4700", "16.05.2017"})
P1.Add({"ÜMMÜNUR BRAVO ", "KIRŞEHİR ", "212 32 41", "35", "1904", "15.02.2019"})
P1.Add({"KERİM YILDIRIM ", "TUNCELİ ", "212 44 77", "29", "7818", "29.04.2013"})
P1.Add({"İDRİS ÖZGEL ", "GÜMÜŞHANE ", "212 62 34", "32", "6009", "7.01.2015"})
P1.Add({"ÇİĞDEM YAVUZ ", "KIRŞEHİR ", "212 47 73", "22", "3528", "23.10.2017"})
P1.Add({"ÇETİN PÜSKÜL ", "KIBRIS ", "212 38 41", "29", "8074", "2.02.2010"})
P1.Add({"BÜŞRA YÜRNÜK ", "SAMSUN ", "212 19 00", "31", "4396", "13.05.2018"})
P1.Add({"BERK GÜMÜŞSOY ", "BAYBURT ", "212 07 45", "20", "5280", "13.02.2008"})
P1.Add({"GİZEM KARANLIK ", "TOKAT ", "212 61 56", "16", "4911", "16.04.2017"})
P1.Add({"ZAFER AKINCI ", "SAKARYA ", "212 64 62", "23", "4934", "28.05.2017"})
P1.Add({"NEŞAT PAKALIN ", "ELAZIĞ ", "212 02 03", "35", "6020", "4.12.2009"})
P1.Add({"ÇAĞDAŞ ÇAYIR ", "ESKİŞEHİR ", "212 33 41", "26", "10253", "14.04.2009"})
P1.Add({"NUMAN SİVASLIOĞLU ", "HATAY ", "212 61 66", "25", "2154", "16.12.2017"})
P1.Add({"SERDAR GÖÇEROĞLU ", "AKSARAY ", "212 47 72", "35", "8642", "2.03.2007"})
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P1.Add({"TANER ÇAĞAN ", "GÜMÜŞHANE ", "212 19 76", "24", "762", "15.10.2018"})
P1.Add({"İMİRAN MÜSLİM ", "GİRESUN ", "212 03 57", "25", "2477", "8.01.2013"})
P1.Add({"ERAY ADA ", "ORDU ", "212 15 27", "28", "4344", "5.09.2012"})
P1.Add({"MESUT GİRGİN ", "UŞAK ", "212 43 72", "21", "2386", "16.04.2019"})
P1.Add({"RIDVAN ÜNAY ", "SİNOP ", "212 27 37", "30", "4976", "4.09.2018"})
P1.Add({"ERSİN DURAN ", "MARDİN ", "212 28 15", "35", "3031", "30.05.2017"})
P1.Add({"YÜCEL PASİNLİ ", "KİLİS ", "212 59 52", "33", "1349", "19.09.2012"})
P1.Add({"DEVİRİM TALMAÇ ", "ESKİŞEHİR ", "212 35 25", "20", "1387", "3.07.2017"})
P1.Add({"NİHAT IRMAK ", "TOKAT ", "212 29 73", "25", "8295", "18.06.2013"})
P1.Add({"CEYDA BUĞDAYCI ", "EDİRNE ", "212 32 50", "20", "7525", "11.10.2017"})
P1.Add({"ZEYNEP OKATAN ", "İÇEL ", "212 04 26", "33", "8819", "9.12.2018"})
P1.Add({"ABDURRAHMAN SÜER ", "BARTIN ", "212 32 87", "27", "7894", "30.07.2018"})
P1.Add({"AKİF ÖZCAN ", "SİİRT ", "212 78 24", "27", "8633", "16.01.2017"})
P1.Add({"CİHAN İRTEM ", "ERZURUM ", "212 54 43", "27", "1100", "9.02.2017"})
P1.Add({"YAVUZ TEKİN ", "UŞAK ", "212 88 37", "35", "3184", "17.01.2017"})
P1.Add({"ADEM KÜPELİ ", "ELAZIĞ ", "212 61 02", "23", "6190", "28.09.2017"})
P1.Add({"SEVDA SEÇKİN ", "DİYARBAKIR ", "212 34 73", "30", "7187", "4.08.2011"})
P1.Add({"NEŞAT KÖSEOĞLU ", "KAHRAMANMARAŞ ", "212 26 64", "34", "3430", "24.12.2007"})
P1.Add({"EKREM KAYHAN ", "ERZURUM ", "212 03 86", "27", "6656", "19.08.2016"})
P1.Add({"SERHAT TONGUROĞLU ", "ŞANLIURFA ", "212 05 30", "25", "7588", "21.04.2015"})

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Dt1 = New DataTable

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Dim SATIR As ArrayList : SATIR = New ArrayList : SATIR.AddRange(P1(1))

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For R = 1 To SATIR.Count

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    Dt1.Columns.Add(SATIR(R - 1), GetType(String))

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Next

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Dt1.Columns(3).DataType = GetType(Integer)

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Dt1.Columns(4).DataType = GetType(Double)

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Dt1.Columns(5).DataType = GetType(Date)

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Dt1.Rows.Clear()

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For R = 2 To P1.Count

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    SATIR = New ArrayList : SATIR.AddRange(P1(R))

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    Dt1.Rows.Add(SATIR.ToArray)

```

```

Next R

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ComboBox1.Items.Add("")

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ComboBox1.Items.Add(Dt1.Columns(0).Caption & " = 'TELAT TÜRKYILMAZ'")

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ComboBox1.Items.Add(Dt1.Columns(0).Caption & " LIKE 'TE%'")

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ComboBox1.Items.Add(Dt1.Columns(3).Caption & ">='30'")
ComboBox1.Items.Add(Dt1.Columns(3).Caption & ">='25'" & " AND " & Dt1.Columns(3).Caption & "<='35'")
ComboBox1.Items.Add(Dt1.Columns(5).Caption & ">= '14/4/2009' AND " & Dt1.Columns(5).Caption & "<=
'14/4/2010'")
ComboBox1.SelectedIndex = 0

DV = New DataView(Dt1)
'DV.RowFilter = Dt1.Columns(0).Caption & " = 'TELAT TÜRKYILMAZ'"
'DV.RowFilter = Dt1.Columns(0).Caption & " LIKE 'TE%'"
'DV.RowFilter = Dt1.Columns(3).Caption & ">='30'"

'DV.RowFilter = Dt1.Columns(5).Caption & ">= '14/4/2009' AND " & Dt1.Columns(5).Caption & "<=
'14/4/2010'"
'DV.Sort = Dt1.Columns(5).Caption & " ASC "

'DV.RowFilter = Dt1.Columns(1).Caption & ">='50'" & " AND " & Dt1.Columns(1).Caption & "<='55'"
'Dt1.DefaultView.Sort = Dt1.Columns(1).Caption & " ASC"
'DV.Sort = Dt1.Columns(1).Caption & " ASC ," & Dt1.Columns(5).Caption & " DESC"
'Dim ORTALAMA_YAS As Double = Dt1.Compute("AVG(" & Dt1.Columns(3).Caption & ")", "")
'Dim ORTALAMA_YAS2 As Double = Dt1.Compute("AVG([YAS])", "")
'REM MsgBox(ORTALAMA_YAS)
'DV.RowFilter = ComboBox1.Text

DataGridView1.DataSource = DV
DataGridView1.AllowUserToAddRows = False
DataGridView1.AutoSizeColumns() : DataGridView1.AutoSizeRows()
DataGridView1.Refresh()
For r = 0 To DataGridView1.Rows.Count - 1
    DataGridView1.Rows(r).HeaderCell.Value = (r + 1).ToString
Next
DataGridView1.AutoSizeRowHeadersWidth(DataGridViewRowHeadersWidthSizeMode.AutoSizeToAllHeaders)
DataGridView1.Height = Me.Height - DataGridView1.Top - 50
DataGridView1.Width = Me.Width - DataGridView1.Left - 50
If DataGridView1.Rows.Count > 0 Then _
    DataGridView1.CurrentCell = DataGridView1(0, DataGridView1.Rows.Count - 1)
End Sub

Private Sub SORGULA()

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On Error Resume Next
DV.RowFilter = ComboBox1.Text
DataGridView1.Refresh()
For r = 0 To DataGridView1.Rows.Count - 1
    DataGridView1.Rows(r).HeaderCell.Value = (r + 1).ToString
Next
DataGridView1.AutoSizeRowHeadersWidth(DataGridViewRowHeadersWidthSizeMode.AutoSizeToAllHeaders)

If DataGridView1.Rows.Count > 0 Then _
DataGridView1.CurrentCell = DataGridView1(0, DataGridView1.Rows.Count - 1)
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    SORGULA()
End Sub

Private Sub ComboBox1_KeyDown(sender As Object, e As KeyEventArgs) Handles ComboBox1.KeyDown
    If e.KeyCode = Keys.Enter Then SORGULA()
End Sub

Private Sub ComboBox1_SelectedIndexChanged(sender As Object, e As EventArgs) Handles
ComboBox1.SelectedIndexChanged
    SORGULA()
End Sub

Private Sub DOSYAKAYDETToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
DOSYAKAYDETToolStripMenuItem.Click
    On Error Resume Next
    SaveFileDialog1.InitialDirectory = Application.StartupPath
    SaveFileDialog1.Filter = "txt|*.txt|*.*|*.*"
    SaveFileDialog1.FileName = "dosya.txt"
    If SaveFileDialog1.ShowDialog() <> Windows.Forms.DialogResult.OK Then Exit Sub

    Dim writer As New System.IO.StreamWriter(SaveFileDialog1.FileName, False, System.Text.Encoding.UTF8)
    Dim SATIR As New ArrayList

    SATIR = New ArrayList
    For C = 0 To DataGridView1.ColumnCount - 1 : SATIR.Add(DataGridView1.Columns(C).HeaderText) : Next

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writer.WriteLine(Join(SATIR.ToArray, Chr(9)))
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For Each R As DataGridViewRow In DataGridView1.Rows  
    SATIR = New ArrayList : For Each S As DataGridViewCell In R.Cells : SATIR.Add(S.Value) : Next  
    writer.WriteLine(Join(SATIR.ToArray, Chr(9)))  
Next  
writer.Close()
```

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End Sub
```

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Private Sub DOSYAAÇToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles  
DOSYAAÇToolStripMenuItem.Click  
    OpenFileDialog1.InitialDirectory = Application.StartupPath  
    OpenFileDialog1.Filter = "txt|*.txt|*.*|*.*"  
    OpenFileDialog1.FileName = "dosya.txt"  
    If OpenFileDialog1.ShowDialog() <> Windows.Forms.DialogResult.OK Then Exit Sub  
    Dim P1 As New Collection  
    For Each line As String In System.IO.File.ReadAllLines(OpenFileDialog1.FileName,  
System.Text.Encoding.UTF8)  
        P1.Add(Split(line, Chr(9)))  
    Next  
  
    Dim Dt1 As New DataTable  
    Dim SATIR As ArrayList : SATIR = New ArrayList : SATIR.AddRange(P1(1))  
    For R = 1 To SATIR.Count  
        Dt1.Columns.Add(SATIR(R - 1), GetType(String))  
    Next  
  
    Dt1.Rows.Clear()  
    For R = 2 To P1.Count  
        SATIR = New ArrayList : SATIR.AddRange(P1(R))  
        Dt1.Rows.Add(SATIR.ToArray)  
    Next R  
  
    DV = New DataView(Dt1)  
    'DV.RowFilter = Dt1.Columns(0).Caption & " = 'KOD3'"  
    'DV.RowFilter = Dt1.Columns(0).Caption & " LIKE 'KO%'"  
    'DV.RowFilter = Dt1.Columns(1).Caption & ">='50'"
```

```

'DV.RowFilter = Dt1.Columns(1).Caption & ">='50'" & " AND " & Dt1.Columns(1).Caption & "<='55'"
DV.RowFilter = ""
DataGridView1.DataSource = DV
DataGridView1.AutoSizeColumns()

DataGridView1.Refresh()
For r = 0 To DataGridView1.Rows.Count - 1
    DataGridView1.Rows(r).HeaderCell.Value = (r + 1).ToString
Next
DataGridView1.AutoSizeRowHeadersWidth(DataGridViewRowHeadersWidthSizeMode.AutoSizeToAllHeaders)

If DataGridView1.Rows.Count > 0 Then _
DataGridView1.CurrentCell = DataGridView1(0, DataGridView1.Rows.Count - 1)
End Sub

Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
    Dim ORTALAMA_YAS As Double = Dt1.Compute("AVG([YAS])", _
        "GIRIS>= '1/1/2009' AND GIRIS<= '31/12/2012'")
    MsgBox("ORTALAMA_YAS 2008-2010" & Chr(10) & ORTALAMA_YAS)

    Dim ORTALAMA_MAAS As Double = Dt1.Compute("AVG([MAAS])", "")
    MsgBox("ORTALAMA_MAAS" & Chr(10) & ORTALAMA_MAAS)
End Sub
End Class

```