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Posttest 1

Link Video Demo Program

<https://youtu.be/4WydRzbZIHU>

Source Code Program

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| Public Class App  Private Sub App\_Load(sender As Object, e As EventArgs) Handles MyBase.Load  listSatuanAwal.SelectedIndex = 0  listSatuanAkhir.SelectedIndex = 0  txtJudul.Text = "Konversi Satuan Panjang"  txtPanah.Text = "<>"  End Sub  Private Sub txtAwal\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtAwal.KeyPress  If Asc(e.KeyChar) <> 8 Then  If Asc(e.KeyChar) < 48 Or Asc(e.KeyChar) > 57 Then  e.Handled = True  End If  End If  End Sub  Private Sub txtAkhir\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtAkhir.KeyPress  If Asc(e.KeyChar) <> 8 Then  If Asc(e.KeyChar) < 48 Or Asc(e.KeyChar) > 57 Then  e.Handled = True  End If  End If  End Sub  Public Sub untukSebelahKiri()  Dim hasil As Decimal  Dim awal, akhir As String  hasil = 0  awal = listSatuanAwal.Text  akhir = listSatuanAkhir.Text  If awal = "Kilometer (km)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAwal.Text \* 1  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAwal.Text \* 10  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAwal.Text \* 100  ElseIf akhir = "Meter (m)" Then  hasil = txtAwal.Text \* 1000  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAwal.Text \* 10000  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAwal.Text \* 100000  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAwal.Text \* 1000000  End If  ElseIf awal = "Hektometer (hm)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAwal.Text / 10  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAwal.Text \* 1  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAwal.Text \* 10  ElseIf akhir = "Meter (m)" Then  hasil = txtAwal.Text \* 100  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAwal.Text \* 1000  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAwal.Text \* 10000  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAwal.Text \* 100000  End If  ElseIf awal = "Dekameter (dam)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAwal.Text / 100  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAwal.Text / 10  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAwal.Text \* 1  ElseIf akhir = "Meter (m)" Then  hasil = txtAwal.Text \* 10  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAwal.Text \* 100  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAwal.Text \* 1000  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAwal.Text \* 10000  End If  ElseIf awal = "Meter (m)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAwal.Text / 1000  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAwal.Text / 100  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAwal.Text / 10  ElseIf akhir = "Meter (m)" Then  hasil = txtAwal.Text \* 1  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAwal.Text \* 10  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAwal.Text \* 100  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAwal.Text \* 1000  End If  ElseIf awal = "Desimeter (dm)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAwal.Text / 10000  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAwal.Text / 1000  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAwal.Text / 100  ElseIf akhir = "Meter (m)" Then  hasil = txtAwal.Text / 10  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAwal.Text \* 1  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAwal.Text \* 10  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAwal.Text \* 100  End If  ElseIf awal = "Centimeter (cm)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAwal.Text / 100000  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAwal.Text / 10000  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAwal.Text / 1000  ElseIf akhir = "Meter (m)" Then  hasil = txtAwal.Text / 100  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAwal.Text / 10  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAwal.Text \* 1  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAwal.Text \* 10  End If  ElseIf awal = "Milimeter (mm)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAwal.Text / 1000000  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAwal.Text / 100000  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAwal.Text / 10000  ElseIf akhir = "Meter (m)" Then  hasil = txtAwal.Text / 1000  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAwal.Text / 100  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAwal.Text / 10  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAwal.Text \* 1  End If  End If  txtAkhir.Text = hasil  txtHasil.Text = txtAwal.Text + " " + listSatuanAwal.Text + " = " + txtAkhir.Text + " " + listSatuanAkhir.Text  End Sub  Public Sub untukSebelahKanan()  Dim hasil As Decimal  Dim awal, akhir As String  hasil = 0  awal = listSatuanAkhir.Text  akhir = listSatuanAwal.Text  If awal = "Kilometer (km)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAkhir.Text \* 1  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAkhir.Text \* 10  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAkhir.Text \* 100  ElseIf akhir = "Meter (m)" Then  hasil = txtAkhir.Text \* 1000  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAkhir.Text \* 10000  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAkhir.Text \* 100000  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAkhir.Text \* 1000000  End If  ElseIf awal = "Hektometer (hm)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAkhir.Text / 10  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAkhir.Text \* 1  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAkhir.Text \* 10  ElseIf akhir = "Meter (m)" Then  hasil = txtAkhir.Text \* 100  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAkhir.Text \* 1000  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAkhir.Text \* 10000  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAkhir.Text \* 100000  End If  ElseIf awal = "Dekameter (dam)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAkhir.Text / 100  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAkhir.Text / 10  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAkhir.Text \* 1  ElseIf akhir = "Meter (m)" Then  hasil = txtAkhir.Text \* 10  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAkhir.Text \* 100  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAkhir.Text \* 1000  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAkhir.Text \* 10000  End If  ElseIf awal = "Meter (m)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAkhir.Text / 1000  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAkhir.Text / 100  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAkhir.Text / 10  ElseIf akhir = "Meter (m)" Then  hasil = txtAkhir.Text \* 1  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAkhir.Text \* 10  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAkhir.Text \* 100  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAkhir.Text \* 1000  End If  ElseIf awal = "Desimeter (dm)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAkhir.Text / 10000  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAkhir.Text / 1000  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAkhir.Text / 100  ElseIf akhir = "Meter (m)" Then  hasil = txtAkhir.Text / 10  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAkhir.Text \* 1  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAkhir.Text \* 10  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAkhir.Text \* 100  End If  ElseIf awal = "Centimeter (cm)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAkhir.Text / 100000  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAkhir.Text / 10000  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAkhir.Text / 1000  ElseIf akhir = "Meter (m)" Then  hasil = txtAkhir.Text / 100  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAkhir.Text / 10  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAkhir.Text \* 1  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAkhir.Text \* 10  End If  ElseIf awal = "Milimeter (mm)" Then  If akhir = "Kilometer (km)" Then  hasil = txtAkhir.Text / 1000000  ElseIf akhir = "Hektometer (hm)" Then  hasil = txtAkhir.Text / 100000  ElseIf akhir = "Dekameter (dam)" Then  hasil = txtAkhir.Text / 10000  ElseIf akhir = "Meter (m)" Then  hasil = txtAkhir.Text / 1000  ElseIf akhir = "Desimeter (dm)" Then  hasil = txtAkhir.Text / 100  ElseIf akhir = "Centimeter (cm)" Then  hasil = txtAkhir.Text / 10  ElseIf akhir = "Milimeter (mm)" Then  hasil = txtAkhir.Text \* 1  End If  End If  txtAwal.Text = hasil  txtHasil.Text = txtAwal.Text + " " + listSatuanAwal.Text + " = " + txtAkhir.Text + " " + listSatuanAkhir.Text  End Sub  Private Sub txtAwal\_TextChanged(sender As Object, e As EventArgs) Handles txtAwal.TextChanged  If txtAwal.Text = "" Then  errorInputTarget.SetError(txtAwal, "Wajib Diisi")  Return  ElseIf txtAwal.Text = 0 Then  errorInputTarget.SetError(txtAwal, "Wajib Lebih Dari 0")  Return  Else  errorInputTarget.SetError(txtAwal, "")  End If  untukSebelahKiri()  End Sub  Private Sub txtAkhir\_TextChanged(sender As Object, e As EventArgs) Handles txtAkhir.TextChanged  If txtAkhir.Text = "" Then  errorInputTarget.SetError(txtAkhir, "Wajib Diisi")  Return  ElseIf txtAkhir.Text = 0 Then  errorInputTarget.SetError(txtAkhir, "Wajib Lebih Dari 0")  Return  Else  errorInputTarget.SetError(txtAkhir, "")  End If  untukSebelahKanan()  End Sub  Private Sub listSatuanAwal\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles listSatuanAwal.SelectedIndexChanged  untukSebelahKanan()  End Sub  Private Sub listSatuanAkhir\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles listSatuanAkhir.SelectedIndexChanged  untukSebelahKiri()  End Sub  End Class |