SORU 1:

```vb
Imports System.IO

Public Class Form1
    Private Sub btnHesapla_Click(sender As Object, e As EventArgs) Handles btnHesapla.Click
        If txtAdet.Text = "" Or txtBirimFiyat.Text = "" Or txtUrunAd.Text = "" Then
            MsgBox("İlgili alanları doldurunuz !")
            Return
        End If
        Dim dosya As New StreamWriter("KDV.txt")
        Dim kdvDurum As String = "dahil degil"
        If chKdv.Checked Then
            kdvDurum = "dahil"
        End If
        dosya.WriteLine(txtUrunAd.Text + "," + txtBirimFiyat.Text + "," + txtAdet.Text + "," + kdvDurum)
        dosya.Close()
        MsgBox("Kaydedildi.")
    End Sub
End Class
```

SORU2:

```vb
Imports System.IO

Public Class Form1
    Dim ogrenciNo As String = ""
    Dim secilenIndex As Integer = -1
    Private Sub Listele()
        lstVeri.Items.Clear()
        Dim dosyaAdi As String = "ogrenci.txt"

        For Each satir As String In File.ReadLines(dosyaAdi)

            Dim veri = satir.Split(",")
            Dim veriler As New ListViewItem
            veriler.Text = veri(0)
            veriler.SubItems.Add(veri(1))
            veriler.SubItems.Add(veri(2))

            lstVeri.Items.Add(veriler)
        Next satir


    End Sub

    Private Sub Yazdir()

        File.CreateText("ogrenci.txt").Close()

        Dim dosya As New StreamWriter("ogrenci.txt")


        For index = 0 To lstVeri.Items.Count - 1
            Dim satir As String = lstVeri.Items(index).SubItems(0).Text + "," +
lstVeri.Items(index).SubItems(1).Text + "," + lstVeri.Items(index).SubItems(2).Text
            dosya.WriteLine(satir)

        Next
        dosya.Close()

        ogrenciNo = ""
        txtOgrenciNo.Text = ""
        txtAd.Text = ""
        txtSoyad.Text = ""
        secilenIndex = -1

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

    End Sub

    Private Sub lstVeri_DoubleClick(sender As Object, e As EventArgs) Handles
lstVeri.DoubleClick
        txtOgrenciNo.Text = lstVeri.Items(lstVeri.SelectedIndices(0)).SubItems(0).Text
        txtAd.Text = lstVeri.Items(lstVeri.SelectedIndices(0)).SubItems(1).Text
        txtSoyad.Text = lstVeri.Items(lstVeri.SelectedIndices(0)).SubItems(2).Text
```

```vbnet
        ogrenciNo = txtOgrenciNo.Text
        secilenIndex = lstVeri.SelectedIndices(0)
    End Sub

    Private Sub btnKaydet_Click(sender As Object, e As EventArgs) Handles btnKaydet.Click

        Dim veriler As New ListViewItem
        veriler.Text = txtOgrenciNo.Text
        veriler.SubItems.Add(txtAd.Text)
        veriler.SubItems.Add(txtSoyad.Text)

        lstVeri.Items.Add(veriler)
        Yazdir()

    End Sub

    Private Sub btnGuncelle_Click(sender As Object, e As EventArgs) Handles
btnGuncelle.Click
        If secilenIndex = -1 Then
            MsgBox("Kayıt seçiniz")
            Return
        End If
        lstVeri.Items(lstVeri.SelectedIndices(0)).SubItems(0).Text = txtOgrenciNo.Text
        lstVeri.Items(lstVeri.SelectedIndices(0)).SubItems(1).Text = txtAd.Text
        lstVeri.Items(lstVeri.SelectedIndices(0)).SubItems(2).Text = txtSoyad.Text

        Yazdir()

    End Sub

    Private Sub btnSil_Click(sender As Object, e As EventArgs) Handles btnSil.Click
        If secilenIndex = -1 Then
            MsgBox("Kayıt seçiniz")
            Return
        End If
        lstVeri.Items.RemoveAt(secilenIndex)

        Yazdir()

    End Sub
End Class
```
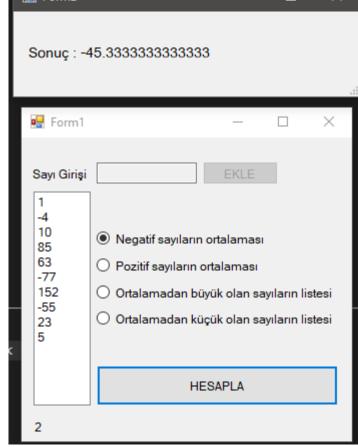
SORU 3:

```vbnet
Public Class Form1
    Dim sayac As Integer = 0
    Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick
        sayac += 1
        txtSure.Text = sayac.ToString
        If sayac = 15 Then
            Timer1.Stop()
            MsgBox("Süre aşımı")
            Me.Close()
        End If
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles btnHesapla.Click
        Timer1.Stop()
        Dim toplam As Double = 0
        Dim adet As Integer = 0
        Dim sonuc As String = ""
        If RadioButton1.Checked Then
            For index = 0 To lstSayilar.Items.Count - 1
                If Convert.ToInt32(lstSayilar.Items(index)) < 0 Then
                    toplam = toplam + Convert.ToInt32(lstSayilar.Items(index))
                    adet = adet + 1
                End If
            Next
            sonuc = (toplam / adet).ToString()
        End If

        If RadioButton2.Checked Then
            For index = 0 To lstSayilar.Items.Count - 1
                If Convert.ToInt32(lstSayilar.Items(index)) > 0 Then
                    toplam = toplam + Convert.ToInt32(lstSayilar.Items(index))
                    adet = adet + 1
                End If
            Next
            sonuc = (toplam / adet).ToString()
        End If

        If RadioButton3.Checked Then
            For index = 0 To lstSayilar.Items.Count - 1
                toplam = toplam + Convert.ToInt32(lstSayilar.Items(index))
                adet = adet + 1
            Next
            Dim ortalama As Double = toplam / adet
            For index = 0 To lstSayilar.Items.Count - 1
                If Convert.ToInt32(lstSayilar.Items(index)) > ortalama Then
                    sonuc = sonuc + " " + lstSayilar.Items(index).ToString
                End If
            Next
        End If

        If RadioButton4.Checked Then
            For index = 0 To lstSayilar.Items.Count - 1
                toplam = toplam + Convert.ToInt32(lstSayilar.Items(index))
                adet = adet + 1
            Next
            Dim ortalama As Double = toplam / adet
```

```vbnet
            For index = 0 To lstSayilar.Items.Count - 1
                If Convert.ToInt32(lstSayilar.Items(index)) < ortalama Then
                    sonuc = sonuc + " " + lstSayilar.Items(index).ToString
                End If
            Next
        End If

        Dim form2 As New Form2
        form2.Label1.Text = "Sonuç : " + sonuc
        form2.ShowDialog()

    End Sub

    Private Sub btnEkle_Click(sender As Object, e As EventArgs) Handles btnEkle.Click
        If txtSayi.Text = "" Then
            MsgBox("Sayı giriniz !")
            Return
        End If
        lstSayilar.Items.Add(Convert.ToInt32(txtSayi.Text))
        txtSayi.Text = ""

        If lstSayilar.Items.Count = 10 Then
            txtSayi.Enabled = False
            btnEkle.Enabled = False
            btnHesapla.Enabled = True
            Timer1.Enabled = True
        End If
    End Sub

    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        RadioButton1.Checked = True
    End Sub
End Class
```

SORU 4:

```vbnet
Public Class Form1
    Private Sub btnCikar_Click(sender As Object, e As EventArgs) Handles btnCikar.Click
        Try
            Dim baslangic As Integer = Convert.ToInt32(txtBaslangicPozisyon.Text)
            Dim cikarilacak As Integer = Convert.ToInt32(txtCikarilacakSayi.Text)
            txtSonHal.Text = txtGirilen.Text.Substring(baslangic - 1, cikarilacak)
        Catch ex As Exception
            MsgBox("Hata : " + ex.Message.ToString)
        End Try
    End Sub
End Class
```

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