

SORU 1:

```
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
```

The image shows a screenshot of a Windows application window titled "KDV". The window has a standard Windows title bar with minimize, maximize, and close buttons. Inside the window, there are three text input fields arranged vertically, each with a label to its left: "Ürün Adı", "Birim Fiyatı", and "Adet". Below these fields is a checkbox with the label "%15 KDV Dahil". At the bottom center of the window is a button labeled "HESAPLA".

## SORU2:

```
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.SelectedIndex).SubItems(0).Text
        txtAd.Text = lstVeri.Items(lstVeri.SelectedIndex).SubItems(1).Text
        txtSoyad.Text = lstVeri.Items(lstVeri.SelectedIndex).SubItems(2).Text
    End Sub
```

```

    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

```

SNo	Ad	Soyad	
1064	Aziz	BEKTAŞ	
1065	Bekir	DÜNDAR	

### SORU 3:

```
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 aşıımı")
            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
        End If
    End Sub
End Class
```

```

        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

```

The image shows two overlapping Windows Forms windows. The top window, titled 'Form2', has a light gray background and displays the text 'Sonuç : -45.3333333333333'. The bottom window, titled 'Form1', is partially obscured by 'Form2'. It features a 'Sayı Girişi' (Number Input) label next to a text box. To the right of the text box is a button labeled 'EKLE'. Below the text box is a list box containing the numbers: 1, -4, 10, 85, 63, -77, 152, -55, 23, and 5. To the right of the list box are four radio buttons with the following labels: 'Negatif sayıların ortalaması' (selected), 'Pozitif sayıların ortalaması', 'Ortalamadan büyük olan sayıların listesi', and 'Ortalamadan küçük olan sayıların listesi'. At the bottom of the form is a large button labeled 'HESAPLA'. The status bar at the bottom of 'Form1' shows the number '2'.

#### SORU 4:

```
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
```

Çıkar

Girilen Visual Basic 2019

Başlangıç Pozisyonu 2

Çıkarılacak Sayı 8

Son Hali isual Ba

ÇIKAR