# ARRAY

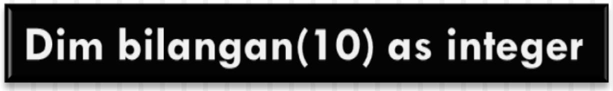
http://www.brigidaarie.com

# Konsep Array

- Array dalam bahasa Indonesia adalah indeks, maka variabel array adalah variabel yang mempunyai indeks. Sehingga penulisannya adalah ***var(indeks).***
- Contoh :
  - {3, 6, 8, 7, 5, 1}
  - x(1), x(2), x(3), x(4), x(5) dan x(6).

# Deklarasi Array

```
Dim nama_variabel(jumlah_array) as Tipe_Data
```

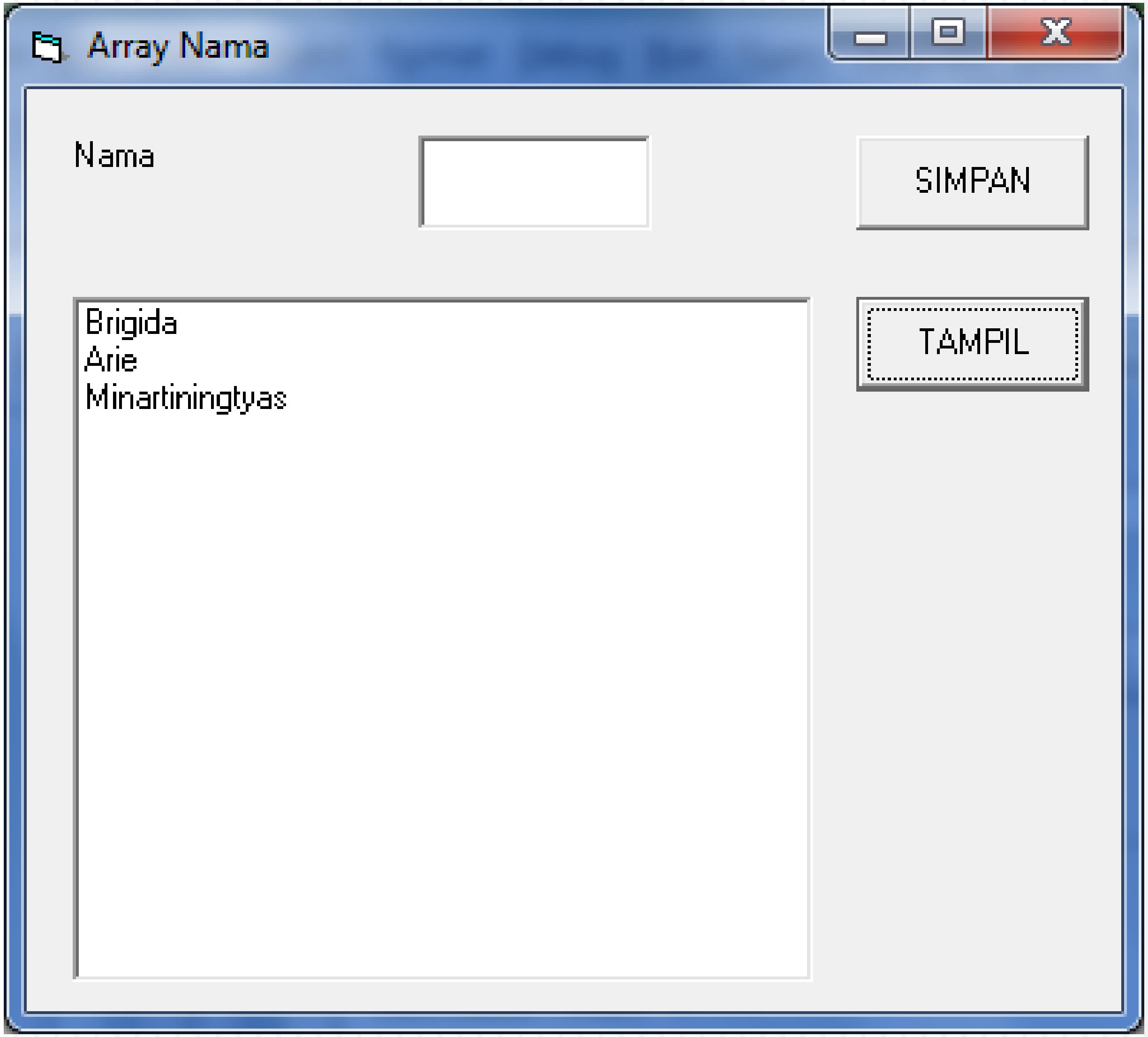


```
Dim bilangan(10) as integer
```

Bilangan(4) = 100

Bilangan(12) = 8

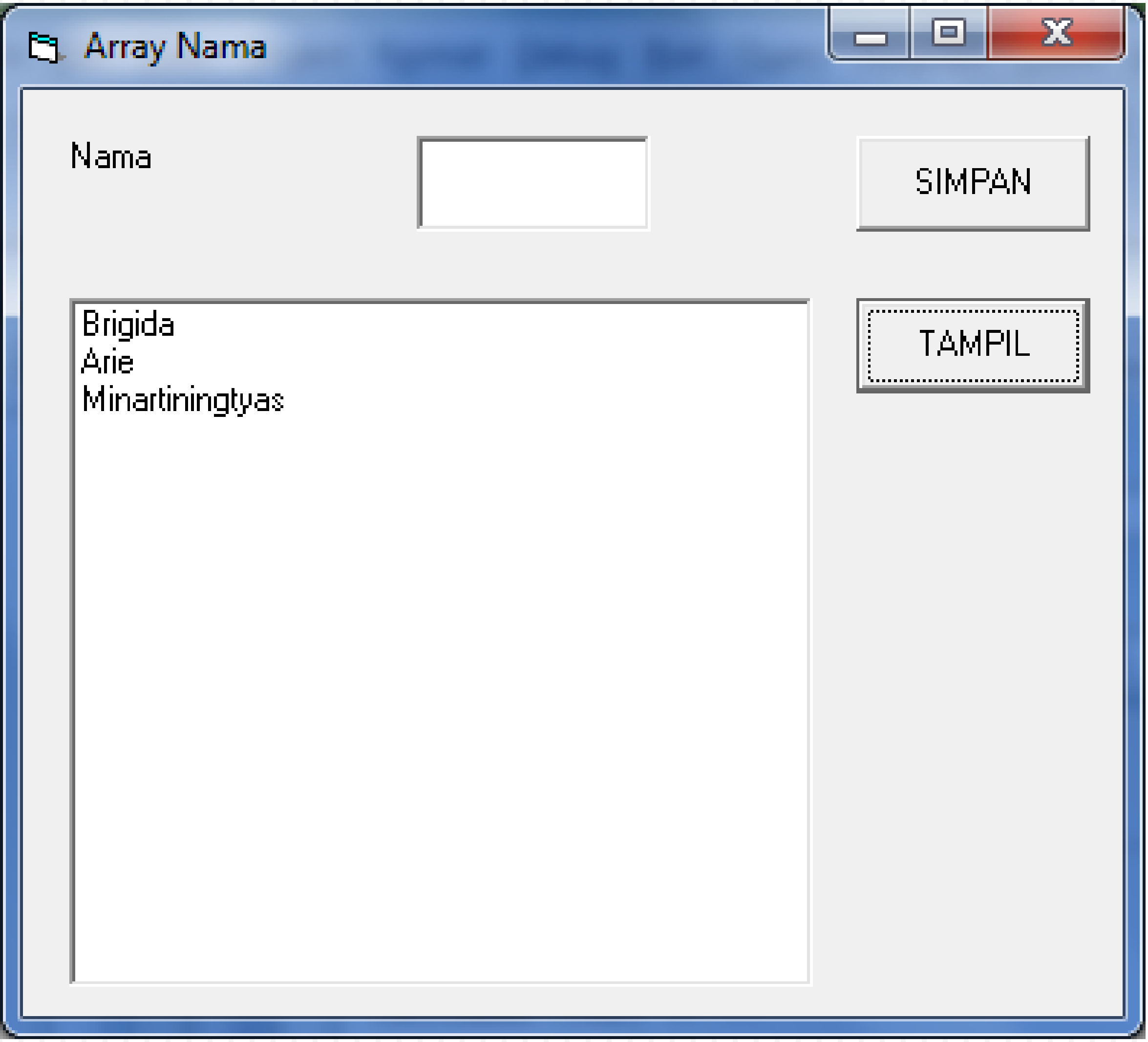
# Latihan Array



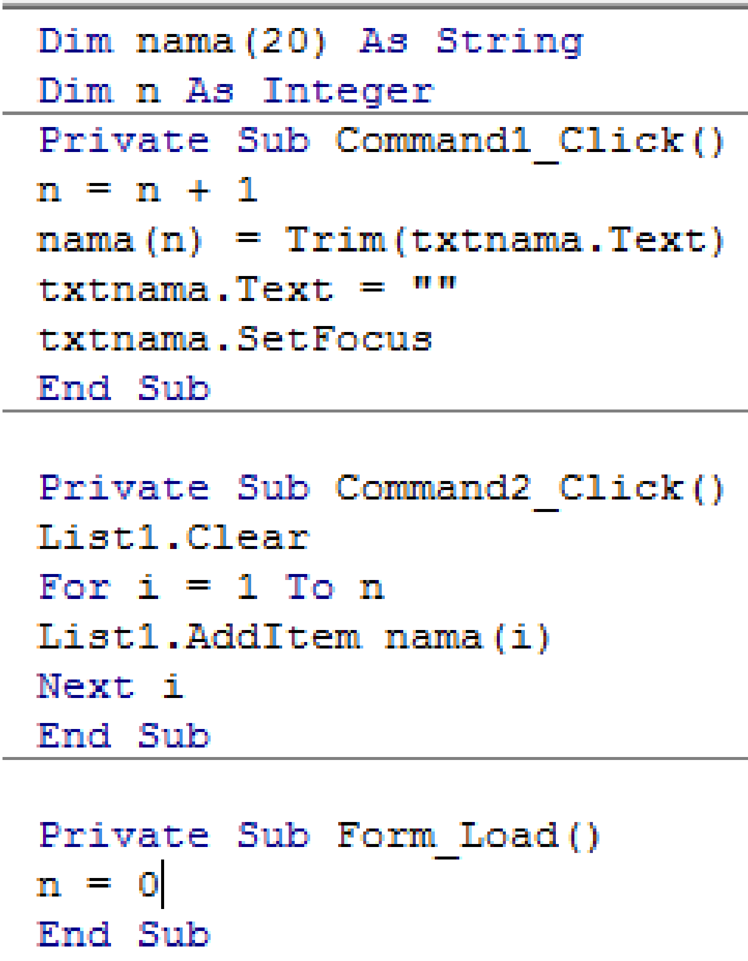
Array Nama
Nama
SIMPAN
TAMPIL

Brigida
Arie
Minartiningtyas

# Satu Variabel Array

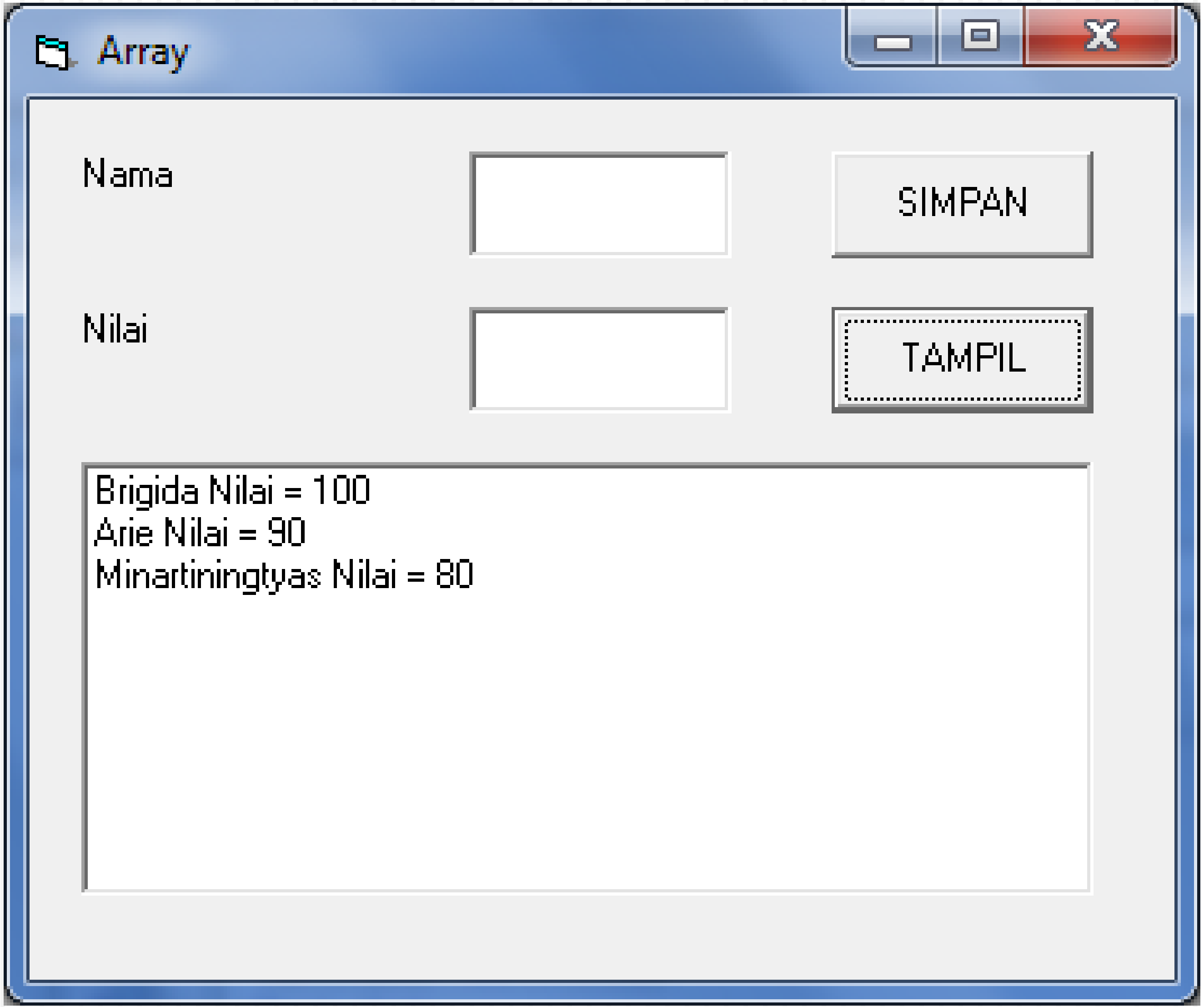


Brigida
Arie
Minartiningtyas



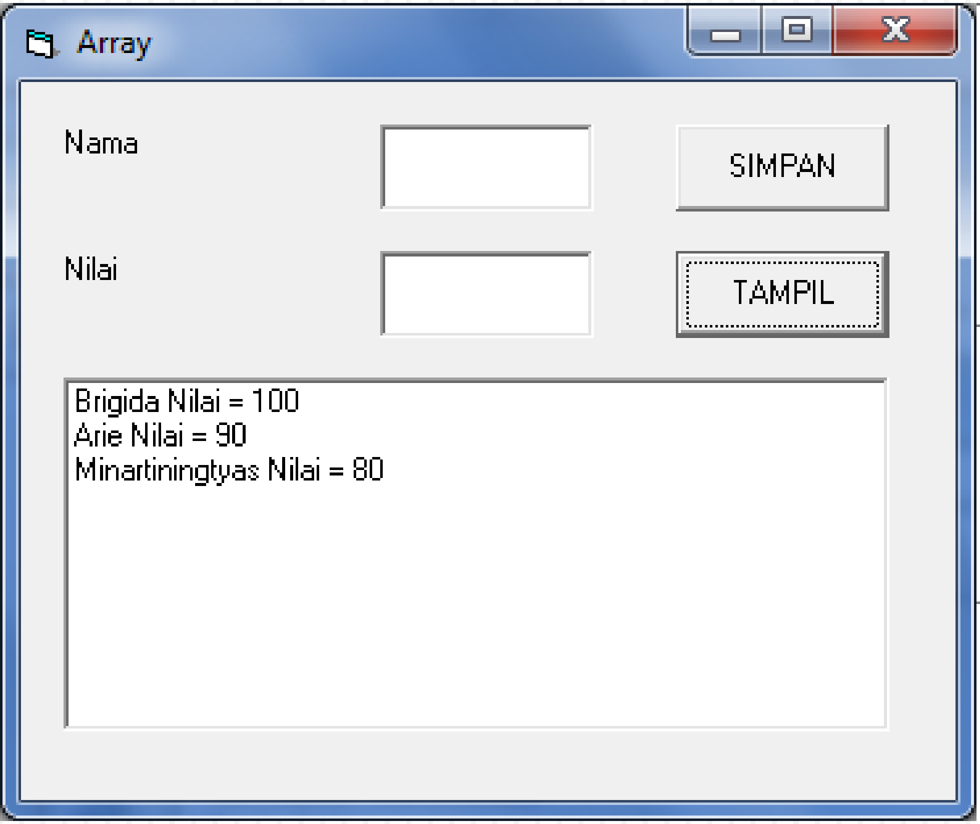
```
Dim nama(20) As String
Dim n As Integer
Private Sub Command1_Click()
n = n + 1
nama(n) = Trim(txtnama.Text)
txtnama.Text = ""
txtnama.SetFocus
End Sub

Private Sub Command2_Click()
List1.Clear
For i = 1 To n
List1.AddItem nama(i)
Next i
End Sub

Private Sub Form_Load()
n = 0
End Sub
```

# Dua Array

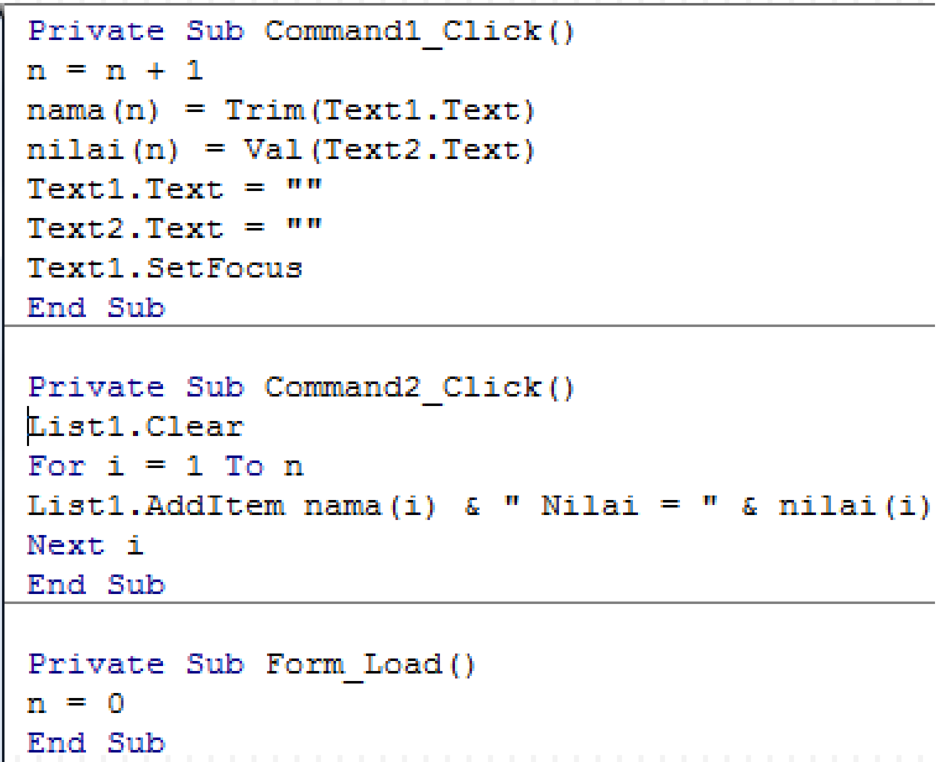

Array
Nama
SIMPAN
Nilai
TAMPIL

```
Brigida Nilai = 100
Arie Nilai = 90
Minartiningtyas Nilai = 80
```

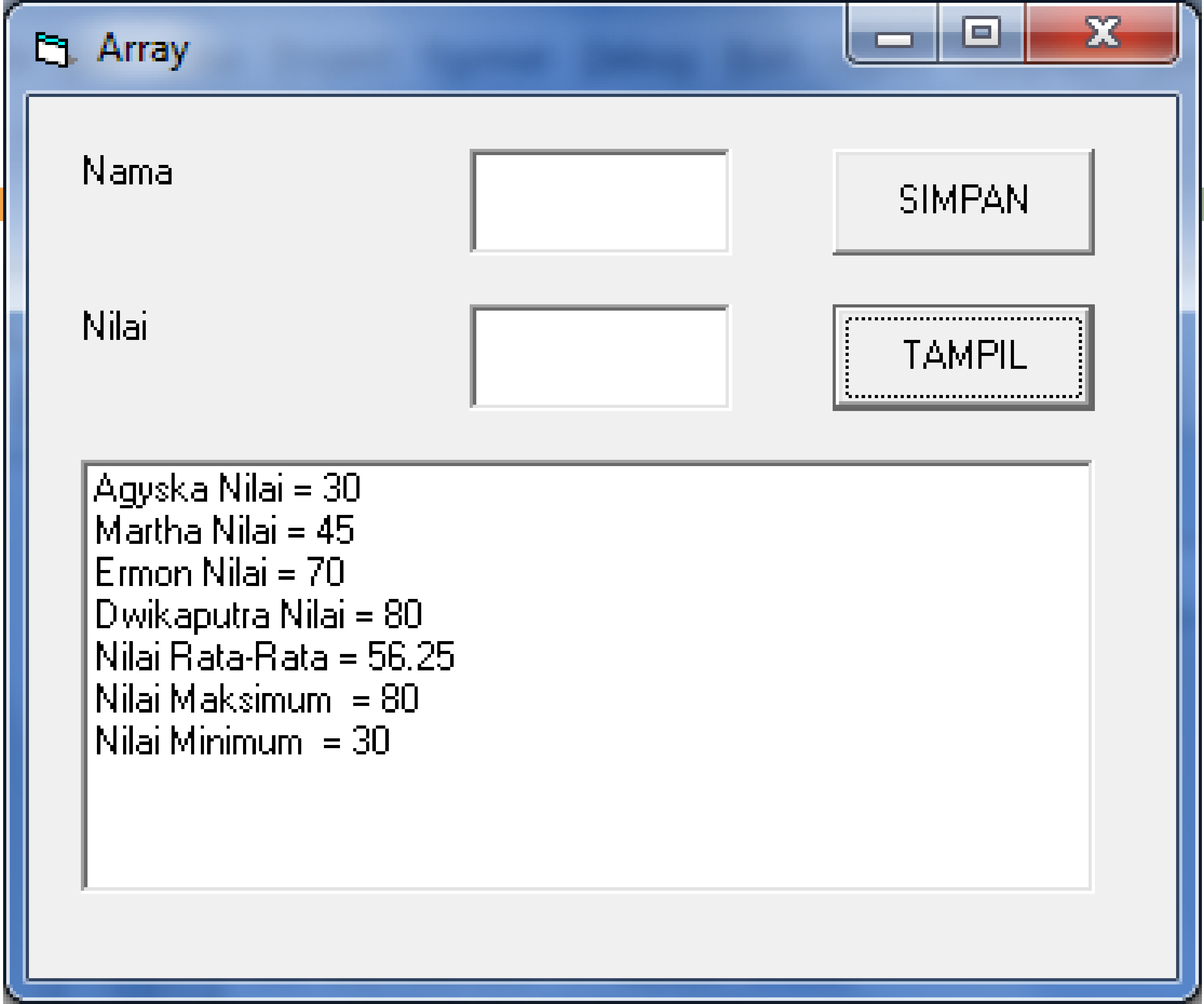
# Dua Variabel Array



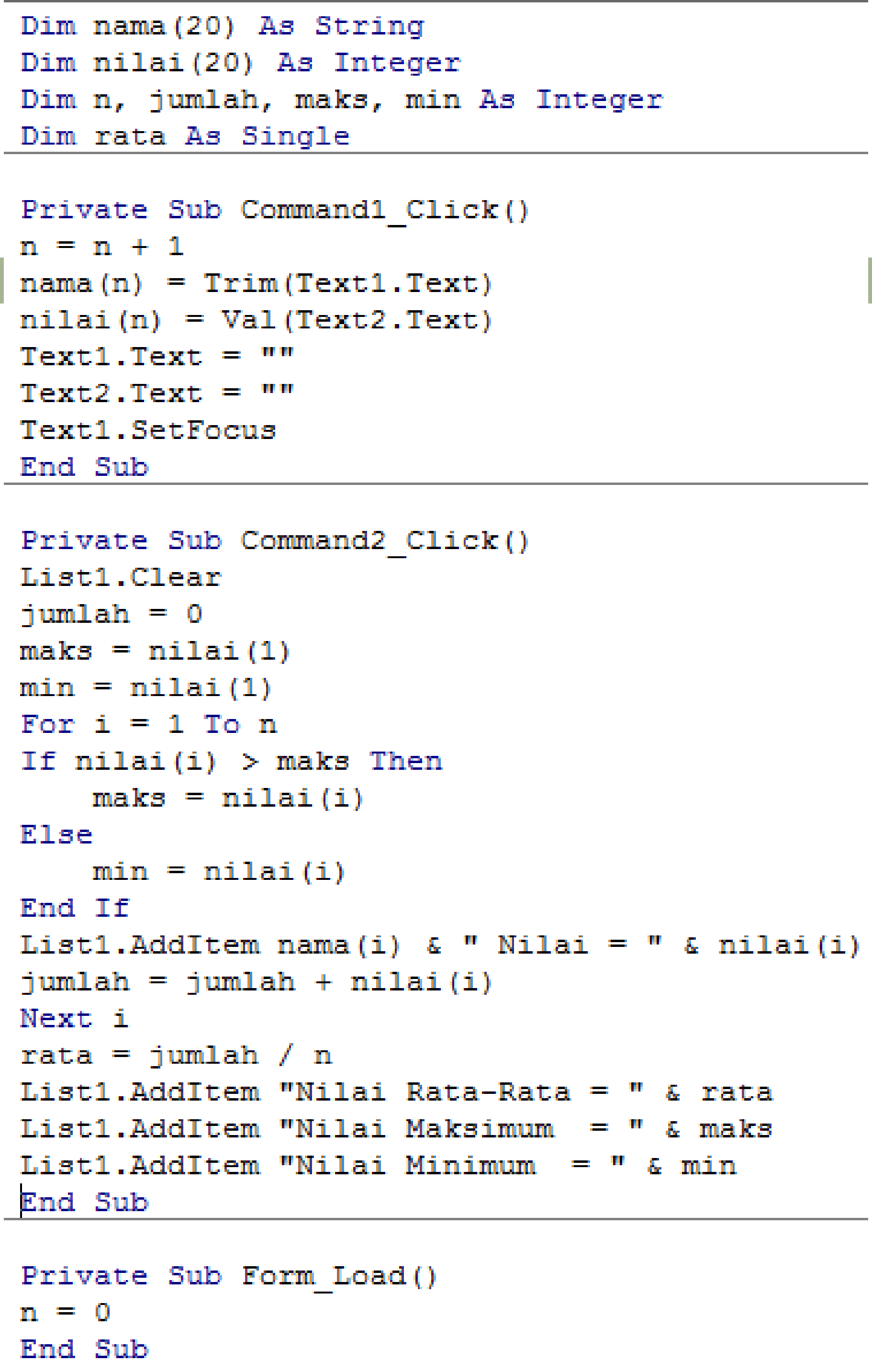
```
Brigida Nilai = 100
Arie Nilai = 90
Minartiningtyas Nilai = 80
```



```
Private Sub Command1_Click()
n = n + 1
nama(n) = Trim(Text1.Text)
nilai(n) = Val(Text2.Text)
Text1.Text = ""
Text2.Text = ""
Text1.SetFocus
End Sub

Private Sub Command2_Click()
List1.Clear
For i = 1 To n
List1.AddItem nama(i) & " Nilai = " & nilai(i)
Next i
End Sub

Private Sub Form_Load()
n = 0
End Sub
```


Array
Nama
Nilai
SIMPAN
TAMPIL

```
Agyska Nilai = 30
Martha Nilai = 45
Ermon Nilai = 70
Dwikaputra Nilai = 80
Nilai Rata-Rata = 56.25
Nilai Maksimum  = 80
Nilai Minimum  = 30
```



```
Dim nama(20) As String
Dim nilai(20) As Integer
Dim n, jumlah, maks, min As Integer
Dim rata As Single

Private Sub Command1_Click()
n = n + 1
nama(n) = Trim(Text1.Text)
nilai(n) = Val(Text2.Text)
Text1.Text = ""
Text2.Text = ""
Text1.SetFocus
End Sub

Private Sub Command2_Click()
List1.Clear
jumlah = 0
maks = nilai(1)
min = nilai(1)
For i = 1 To n
If nilai(i) > maks Then
    maks = nilai(i)
Else
    min = nilai(i)
End If
List1.AddItem nama(i) & " Nilai = " & nilai(i)
jumlah = jumlah + nilai(i)
Next i
rata = jumlah / n
List1.AddItem "Nilai Rata-Rata = " & rata
List1.AddItem "Nilai Maksimum  = " & maks
List1.AddItem "Nilai Minimum  = " & min
End Sub

Private Sub Form_Load()
n = 0
End Sub
```