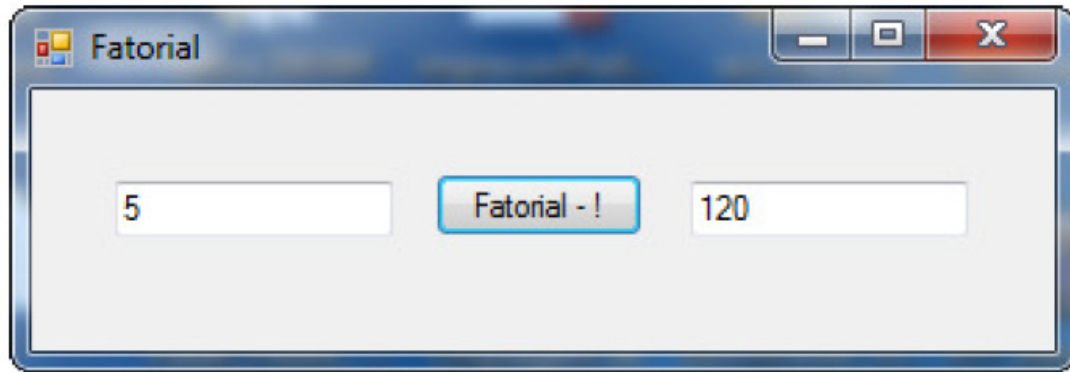


1. Calcular o fatorial de um número, conforme exemplo abaixo:



```
Public Class Fatorial
```

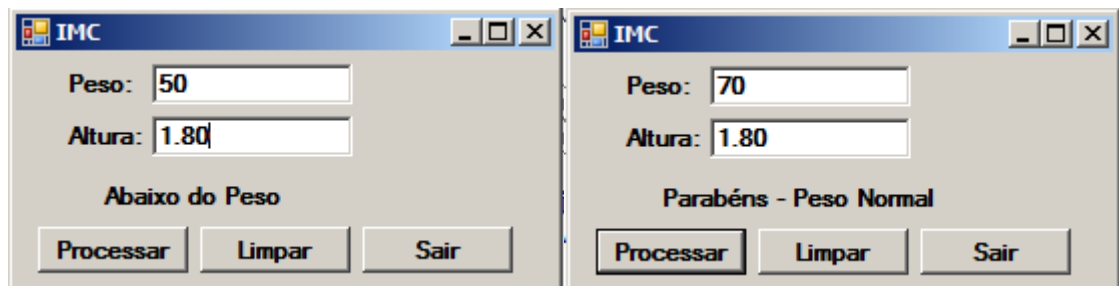
```
    Private Sub btnFatorial_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnFatorial.Click
```

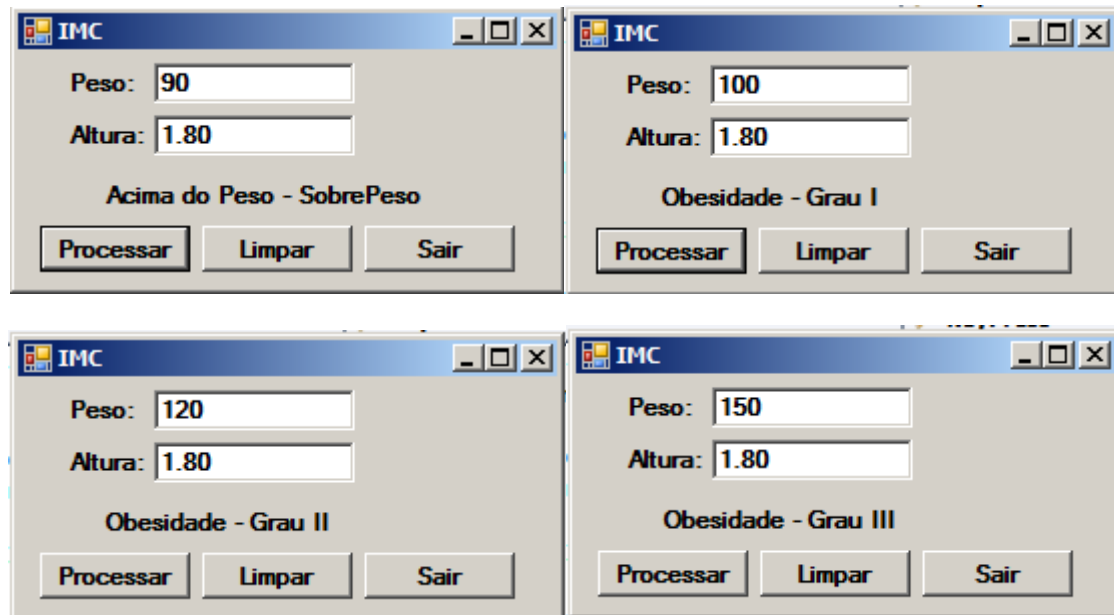
```
        Dim vfatorial As Integer = 1
        For t = 1 To CInt(txtNumero.Text)
            vfatorial = vfatorial * t
        Next
        txtResultado.Text = vfatorial
    End Sub
```

```
End Class
```

2. Leia peso e altura. Calcule o IMC. Sendo a fórmula-> $IMC = \text{peso} / (\text{altura}^2)$. Exiba o resultado de acordo com a tabela abaixo:

IMC	Situação
Abaixo de 18,5	Abaixo do peso ideal
Entre 18,5 e 24,9	Parabéns – Peso normal
Entre 25,0 e 29,9	Acima do peso – sobrepeso
Entre 30,0 e 34,9	Obesidade Grau I
Entre 35,0 e 39,9	Obesidade Grau II
Acima de 40,0	Obesidade Grau III





```
Public Class Form_IMC
```

```
    Private Sub Btnproc_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Btnproc.Click
```

```
        Dim IMC, peso, altura As Double
```

```
        peso = Cdbl(txtpeso.Text)
```

```
        altura = Cdbl(txtaltura.Text)
```

```
        IMC = peso / (altura ^ 2)
```

```
        If IMC <= 18.5 Then
```

```
            lblres.Text = "Abaixo do Peso"
```

```
        ElseIf IMC > 18.5 And IMC <= 24.9 Then
```

```
            lblres.Text = "Parabéns - Peso Normal"
```

```
        ElseIf IMC > 24.9 And IMC <= 29.9 Then
```

```
            lblres.Text = "Acima do Peso - SobrePeso"
```

```
        ElseIf IMC > 29.9 And IMC <= 34.9 Then
```

```
            lblres.Text = "Obesidade - Grau I"
```

```
        ElseIf IMC > 34.9 And IMC <= 39.9 Then
```

```
            lblres.Text = "Obesidade - Grau II"
```

```
        Else
```

```
            lblres.Text = "Obesidade - Grau III"
```

```
        End If
```

```
    End Sub
```

```
    Private Sub Btnlimpar_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Btnlimpar.Click
```

```
        txtaltura.Text = ""
```

```
        txtpeso.Text = ""
```

```
        lblres.Text = ""
```

```
        txtpeso.Focus()
```

```
    End Sub
```

```
    Private Sub Btnsair_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Btnsair.Click
```

```
        If MsgBox("Deseja realmente sair?", MsgBoxStyle.Exclamation + MsgBoxStyle.YesNo, "Sair") = vbYes Then
```

```
            MsgBox("ATé breve!!!", MsgBoxStyle.Information, "Tchau")
```

```
        End
```

```
        Else
            Btnlimpar.PerformClick()
        End If
    End Sub

    Private Sub txtaltura_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtaltura.KeyPress
        If Asc(e.KeyChar) = 13 Then
            Btnproc.PerformClick()
        End If

    End Sub

    Private Sub txtpeso_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles txtpeso.KeyPress
        If Asc(e.KeyChar) = 13 Then
            txtaltura.Focus()
        End If

    End Sub
End Class
```