

The program entitled “Elderly KTbot Code” was created using C# language in an application from Microsoft Visual Studio called Windows Forms App (.NET framework). The main code is detailed bellow.

#### Code 1: Main code of Elderly KTbot Code

```
1 using System;
2 using System.Collections.Generic;
3 using System.ComponentModel;
4 using System.Data;
5 using System.Drawing;
6 using System.Linq;
7 using System.Text;
8 using System.Threading.Tasks;
9 using System.Windows.Forms;
10
11 namespace WindowsFormsApp3
12 {
13     public partial class Form1: Form
14     {
15         public Form1()
16         {
17             InitializeComponent();
18             rdbMenor.Checked = true;
19             rdbDL.Checked = true;
20         }
21     }
22
23     private void btnCalculate_Click(object sender, EventArgs e)
24     {
25         double a, hb, d, probabilidade, exp;
26         a = 0;
27         hb = 0;
28
29         if (rdbMaior.Checked)
30             a = 1;
31
32         if (rdbL.Checked)
33             hb = (Convert.ToDouble(txtHB.Text))/10;
34         else
35             hb = Convert.ToDouble(txtHB.Text);
36
37         exp = Math.Exp(-(3.06 + (1.54 * a) - (0.31 * hb)));
38         d = 1 + exp;
39         probabilidade = (1 / d) * 100;
40
41         txtResult.Text = Math.Round(probabilidade, 2).ToString() + "%";
42
43         gpbPatient.Enabled = false;
44         gpbParameters.Enabled = false;
45     }
46
47     private void btnClear_Click(object sender, EventArgs e)
48     {
49         txtID.Text = "";
50         txtName.Text = "";
51
52         rdbMenor.Checked = true;
53         txtHB.Text = "";
54
55         txtResult.Text = "";
56
57         rdbMenor.Checked = true;
58         rdbDL.Checked = true;
59
60         gpbParameters.Enabled = true;
61         gpbPatient.Enabled = true;
62     }
63 }
64 }
```