

PROGRAMACION BASICA

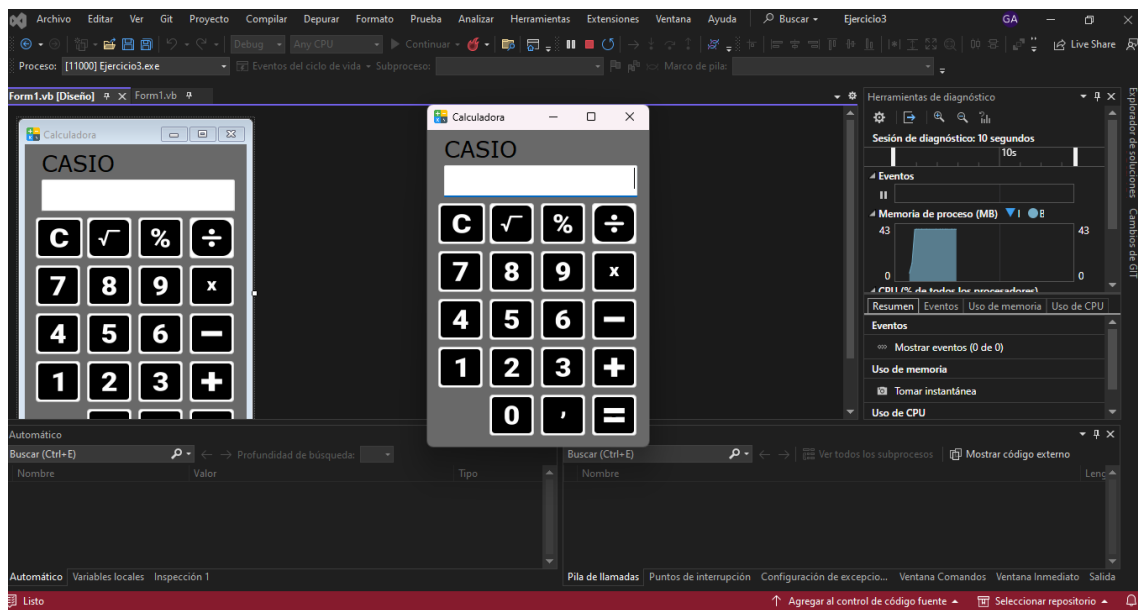
Actividad: Ejercicio 3: Calculadora

Alumno: Alonso Gutierrez Gustavo

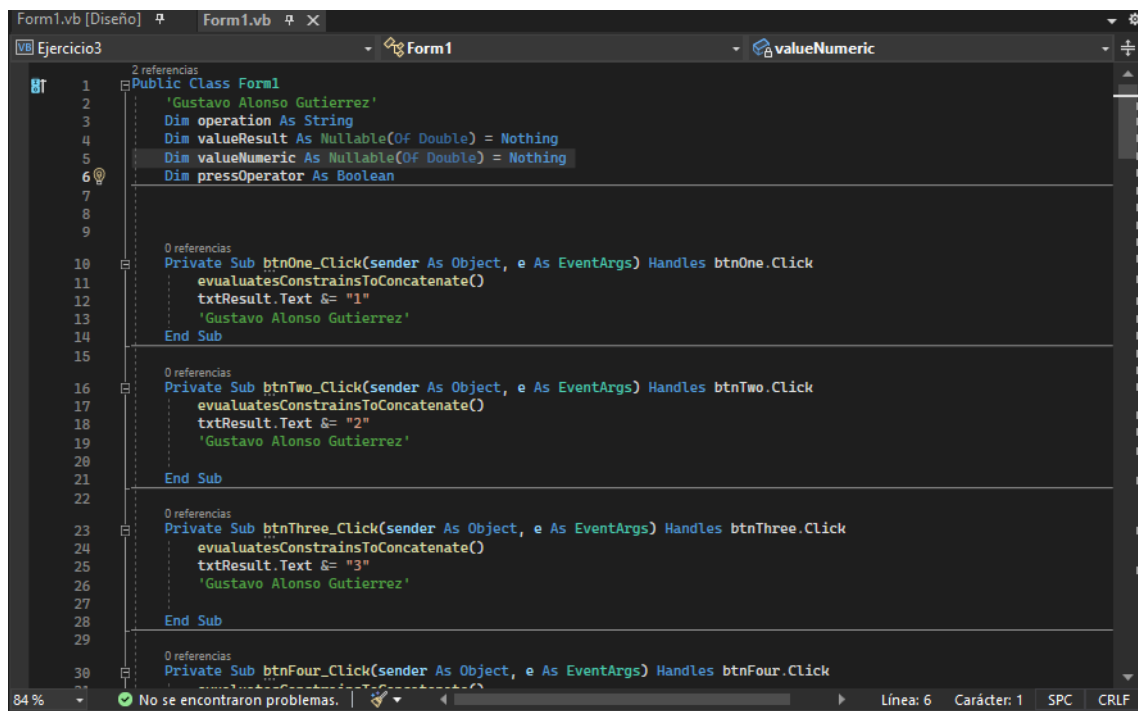
Docente: Lic. Athala Dulce Edith Gómez
Arellano

FECHA: 07/09/2023

Captura de la calculadora:



Capturas del código:



```
Form1.vb [Diseño]  Form1.vb  Ejercicio3  Form1  valueNumeric
30 Private Sub btnFour_Click(sender As Object, e As EventArgs) Handles btnFour.Click
31     evaluaratesConstrainsToConcatenate()
32     txtResult.Text &= "4"
33     'Gustavo Alonso Gutierrez'
34
35 End Sub
36
37 Private Sub btnFive_Click(sender As Object, e As EventArgs) Handles btnFive.Click
38     evaluaratesConstrainsToConcatenate()
39     txtResult.Text &= "5"
40     'Gustavo Alonso Gutierrez'
41
42 End Sub
43
44 Private Sub btnSix_Click(sender As Object, e As EventArgs) Handles btnSix.Click
45     evaluaratesConstrainsToConcatenate()
46     txtResult.Text &= "6"
47     'Gustavo Alonso Gutierrez'
48
49 End Sub
50
51 Private Sub btnSeven_Click(sender As Object, e As EventArgs) Handles btnSeven.Click
52     evaluaratesConstrainsToConcatenate()
53     txtResult.Text &= "7"
54     'Gustavo Alonso Gutierrez'
55
56 End Sub
57
58 Private Sub btnEight_Click(sender As Object, e As EventArgs) Handles btnEight.Click
59     evaluaratesConstrainsToConcatenate()
60     txtResult.Text &= "8"
61     'Gustavo Alonso Gutierrez'
62
63 End Sub
64
65 Private Sub btnNine_Click(sender As Object, e As EventArgs) Handles btnNine.Click
66     evaluaratesConstrainsToConcatenate()
67     txtResult.Text &= "9"
68     'Gustavo Alonso Gutierrez'
69
70 End Sub
71
72 Private Sub btnCero_Click(sender As Object, e As EventArgs) Handles btnCero.Click
73     evaluaratesConstrainsToConcatenate()
74     txtResult.Text &= "0"
75     'Gustavo Alonso Gutierrez'
76
77 End Sub
78
79 Private Sub btnComma_Click(sender As Object, e As EventArgs) Handles btnComma.Click
80     evaluaratesConstrainsToConcatenate()
81     If InStr(txtResult.Text, ",", CompareMethod.Text) = 0 Then
82         txtResult.Text &= ","
83     End If
84     'Gustavo Alonso Gutierrez'
85
86 End Sub
87
88 Private Sub btnAddition_Click(sender As Object, e As EventArgs) Handles btnAddition.Click
89     evaluaratesConstrainsToConcatenate()
90     txtResult.Text &= "+"
91     'Gustavo Alonso Gutierrez'
92
93 End Sub
94
95 Private Sub btnSubtraction_Click(sender As Object, e As EventArgs) Handles btnSubtraction.Click
96     evaluaratesConstrainsToConcatenate()
97     txtResult.Text &= "-"
98     'Gustavo Alonso Gutierrez'
99
100 End Sub
101
102 Private Sub btnMultiplication_Click(sender As Object, e As EventArgs) Handles btnMultiplication.Click
103     evaluaratesConstrainsToConcatenate()
104     txtResult.Text &= "*"
105     'Gustavo Alonso Gutierrez'
106
107 End Sub
108
109 Private Sub btnDivision_Click(sender As Object, e As EventArgs) Handles btnDivision.Click
110     evaluaratesConstrainsToConcatenate()
111     txtResult.Text &= "/"
112     'Gustavo Alonso Gutierrez'
113
114 End Sub
115
116 Private Sub btnClear_Click(sender As Object, e As EventArgs) Handles btnClear.Click
117     txtResult.Text = ""
118     'Gustavo Alonso Gutierrez'
119
120 End Sub
121
122 Private Sub btnEquals_Click(sender As Object, e As EventArgs) Handles btnEquals.Click
123     evaluaratesConstrainsToConcatenate()
124     txtResult.Text &= "="
125     'Gustavo Alonso Gutierrez'
126
127 End Sub
128
129 Private Sub btnBackspace_Click(sender As Object, e As EventArgs) Handles btnBackspace.Click
130     txtResult.Text = txtResult.Text.Substring(0, txtResult.Text.Length - 1)
131     'Gustavo Alonso Gutierrez'
132
133 End Sub
134
135 Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
136     Me.Close()
137 End Sub
```

```
Form1.vb [Diseño]  Form1.vb  Ejercicio3  Form1  valueNumeric
59 evaluaratesConstrainsToConcatenate()
60 txtResult.Text &= "8"
61 'Gustavo Alonso Gutierrez'
62
63 End Sub
64
65 Private Sub btnNine_Click(sender As Object, e As EventArgs) Handles btnNine.Click
66     evaluaratesConstrainsToConcatenate()
67     txtResult.Text &= "9"
68     'Gustavo Alonso Gutierrez'
69
70 End Sub
71
72 Private Sub btnCero_Click(sender As Object, e As EventArgs) Handles btnCero.Click
73     evaluaratesConstrainsToConcatenate()
74     txtResult.Text &= "0"
75     'Gustavo Alonso Gutierrez'
76
77 End Sub
78
79 Private Sub btnComma_Click(sender As Object, e As EventArgs) Handles btnComma.Click
80     evaluaratesConstrainsToConcatenate()
81     If InStr(txtResult.Text, ",", CompareMethod.Text) = 0 Then
82         txtResult.Text &= ","
83     End If
84     'Gustavo Alonso Gutierrez'
85
86 End Sub
87
88 Private Sub btnAddition_Click(sender As Object, e As EventArgs) Handles btnAddition.Click
89     evaluaratesConstrainsToConcatenate()
90     txtResult.Text &= "+"
91     'Gustavo Alonso Gutierrez'
92
93 End Sub
94
95 Private Sub btnSubtraction_Click(sender As Object, e As EventArgs) Handles btnSubtraction.Click
96     evaluaratesConstrainsToConcatenate()
97     txtResult.Text &= "-"
98     'Gustavo Alonso Gutierrez'
99
100 End Sub
101
102 Private Sub btnMultiplication_Click(sender As Object, e As EventArgs) Handles btnMultiplication.Click
103     evaluaratesConstrainsToConcatenate()
104     txtResult.Text &= "*"
105     'Gustavo Alonso Gutierrez'
106
107 End Sub
108
109 Private Sub btnDivision_Click(sender As Object, e As EventArgs) Handles btnDivision.Click
110     evaluaratesConstrainsToConcatenate()
111     txtResult.Text &= "/"
112     'Gustavo Alonso Gutierrez'
113
114 End Sub
115
116 Private Sub btnClear_Click(sender As Object, e As EventArgs) Handles btnClear.Click
117     txtResult.Text = ""
118     'Gustavo Alonso Gutierrez'
119
120 End Sub
121
122 Private Sub btnEquals_Click(sender As Object, e As EventArgs) Handles btnEquals.Click
123     evaluaratesConstrainsToConcatenate()
124     txtResult.Text &= "="
125     'Gustavo Alonso Gutierrez'
126
127 End Sub
128
129 Private Sub btnBackspace_Click(sender As Object, e As EventArgs) Handles btnBackspace.Click
130     txtResult.Text = txtResult.Text.Substring(0, txtResult.Text.Length - 1)
131     'Gustavo Alonso Gutierrez'
132
133 End Sub
134
135 Private Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
136     Me.Close()
137 End Sub
```

```
Form1.vb [Diseño]  Form1.vb  Ejercicio3  Form1  valueNumeric

89 Private Sub btnAddition_Click(sender As Object, e As EventArgs) Handles btnAddition.Click
90     evaluateDoOperation()
91     operation = "+"
92     'Gustavo Alonso Gutierrez'
93
94 End Sub
95
96 Private Sub btnSubtraction_Click(sender As Object, e As EventArgs) Handles btnSubtraction.Click
97     evaluateDoOperation()
98     operation = "-"
99     'Gustavo Alonso Gutierrez'
100
101 End Sub
102
103 Private Sub btnMultiplication_Click(sender As Object, e As EventArgs) Handles btnMultiplication.Click
104     evaluateDoOperation()
105     operation = "x"
106     'Gustavo Alonso Gutierrez'
107
108 End Sub
109
110 Private Sub btnDivision_Click(sender As Object, e As EventArgs) Handles btnDivision.Click
111     evaluateDoOperation()
112     operation = "/"
113     'Gustavo Alonso Gutierrez'
114
115 End Sub
116
117 Private Sub btnPercentage_Click(sender As Object, e As EventArgs) Handles btnPercentage.Click
118     evaluateDoOperation()
119     operation = "%"
120     'Gustavo Alonso Gutierrez'
121
122 End Sub
123
124 Private Sub btnRoot_Click(sender As Object, e As EventArgs) Handles btnRoot.Click
125     evaluateDoOperation()
126     operation = "/"
127     If txtResult.Text = "0" Then
128         MsgBox("No se puede sacar raiz del 0", MsgBoxStyle.Critical, "ERROR")
129         Return
130     End If
131     'Gustavo Alonso Gutierrez'
132
133 End Sub
134
135 Private Sub btnEqual_Click(sender As Object, e As EventArgs) Handles btnEqual.Click
136     evaluateDoOperation()
137     operation = "="
138     'Gustavo Alonso Gutierrez'
139
140 End Sub
141
142 Private Sub btnRemove_Click(sender As Object, e As EventArgs) Handles btnRemove.Click
143     txtResult.Clear()
144     valueNumeric = Nothing
145     valueResult = Nothing
146     'Gustavo Alonso Gutierrez'
147
148 End Sub
149
```

84 % No se encontraron problemas. Línea: 6 Carácter: 1 SPC CRLF

```
Form1.vb [Diseño]  Form1.vb  Ejercicio3  Form1  valueNumeric

118 evaluateDoOperation()
119 operation = "%"
120 'Gustavo Alonso Gutierrez'
121
122 End Sub
123
124 Private Sub btnRoot_Click(sender As Object, e As EventArgs) Handles btnRoot.Click
125     evaluateDoOperation()
126     operation = "/"
127     If txtResult.Text = "0" Then
128         MsgBox("No se puede sacar raiz del 0", MsgBoxStyle.Critical, "ERROR")
129         Return
130     End If
131     'Gustavo Alonso Gutierrez'
132
133 End Sub
134
135 Private Sub btnEqual_Click(sender As Object, e As EventArgs) Handles btnEqual.Click
136     evaluateDoOperation()
137     operation = "="
138     'Gustavo Alonso Gutierrez'
139
140 End Sub
141
142 Private Sub btnRemove_Click(sender As Object, e As EventArgs) Handles btnRemove.Click
143     txtResult.Clear()
144     valueNumeric = Nothing
145     valueResult = Nothing
146     'Gustavo Alonso Gutierrez'
147
148 End Sub
149
```

84 % No se encontraron problemas. Línea: 6 Carácter: 1 SPC CRLF

```
Form1.vb [Diseño]  Form1.vb  Ejercicio3  Form1  valueNumeric

149
150 7 referencias
151 Public Sub evaluateDoOperation()
152     pressOperator = True
153
154     If txtResult.Text = "" Then
155         MsgBox("Ingresa un valor numerico", MsgBoxStyle.Critical, "ERROR")
156     End If
157
158     valueNumeric = Val(txtResult.Text)
159     If valueResult Then
160         Select Case operation
161             Case "+"
162                 valueResult = valueResult + valueNumeric
163             Case "-"
164                 valueResult -= valueNumeric
165             Case "x"
166                 valueResult *= valueNumeric
167             Case "/"
168                 valueResult /= valueNumeric
169             Case "/"
170                 valueResult = Math.Sqrt(valueResult)
171             Case "%"
172                 valueResult = (valueResult * valueNumeric) / 100
173         End Select
174         txtResult.Text = valueResult
175     Else
176         valueResult = valueNumeric
177     End If
178     'Gustavo Alonso Gutierrez'
179
180 End Sub
181
```

84 % No se encontraron problemas. Línea: 6 Carácter: 1 SPC CRLF

```
Form1.vb [Diseño]  Form1.vb  Ejercicio3  Form1  valueNumeric

181
182 11 referencias
183 Public Sub evaluateConstraintsToConcatenate()
184     If pressOperator = True Then
185         txtResult.Text = ""
186         pressOperator = False
187     ElseIf txtResult.Text = "0" Then
188         txtResult.Text = ""
189     End If
190     'Gustavo Alonso Gutierrez'
191 End Sub
192
193 0 referencias
194 Private Sub Label1_Click(sender As Object, e As EventArgs) Handles Label1.Click
195     'Gustavo Alonso Gutierrez'
196 End Sub
197
198 0 referencias
199 Private Sub txtResult_TextChanged(sender As Object, e As EventArgs) Handles txtResult.TextChanged
200     'Gustavo Alonso Gutierrez'
201 End Sub
202 End Class
203
```

84 % No se encontraron problemas. Línea: 6 Carácter: 1 SPC CRLF