

TP 12 KONTRUKSI PERANGKAT LUNAK

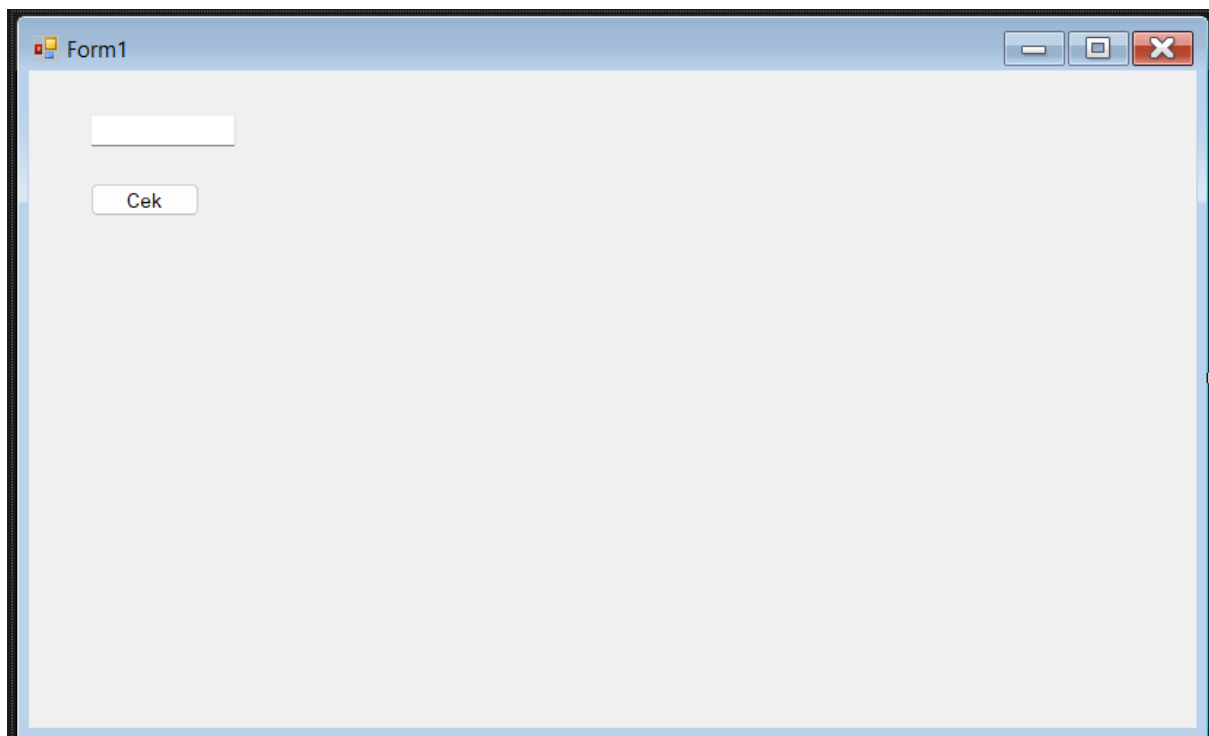
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Kelas : SE-07-02

Buat menggunakan template Blank Solution Lalu tambahkan project menggunakan template Windows Forms App (.NET Framework)

Lalu menambahkan TextBox,Button dan label di menu toolbox

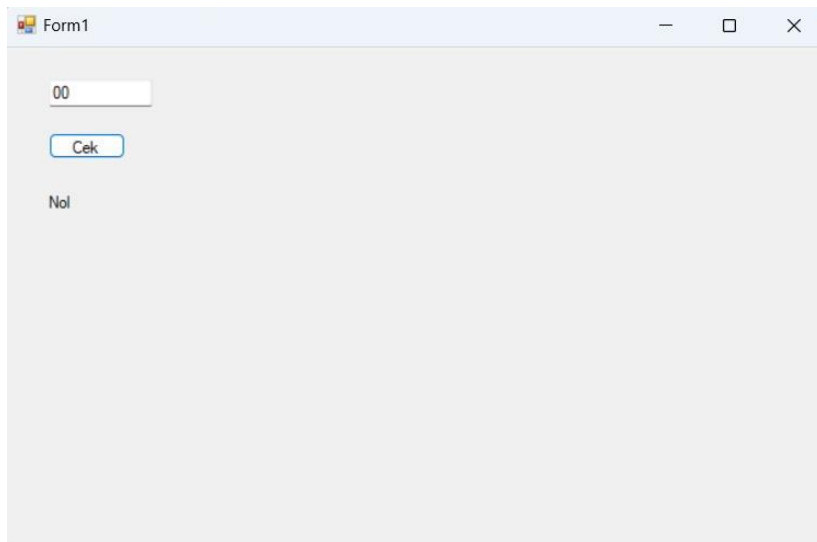


Tambahkan Logika tombol

```
C# tpmodul12_2311104044 tpmodul12_2311104044
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 tpmodul12_2311104044
12  {
13      public partial class Form1 : Form
14      {
15          public Form1()
16          {
17              InitializeComponent();
18          }
19
20          private void Form1_Load(object sender, EventArgs e)
21          {
22              // Kosongkan label saat form pertama dibuka
23              label1.Text = "";
24          }
25
26          // Method untuk menentukan tanda bilangan
27          public string CariTandaBilangan(int a)
28          {
29              if (a < 0)
30                  return "Negatif";
31              else if (a > 0)
32                  return "Positif";
33              else
34                  return "Nol";
35          }
36
37          // Logika saat tombol ditekan
38          private void button1_Click(object sender, EventArgs e)
39          {
40              int angka;
41
42              if (int.TryParse(textBox1.Text, out angka))
43              {
44                  string hasil = CariTandaBilangan(angka);
45                  label1.Text = hasil;
46              }
47              else
48              {
49                  label1.Text = "Input tidak valid";
50              }
51          }
52      }
53  }
54
```

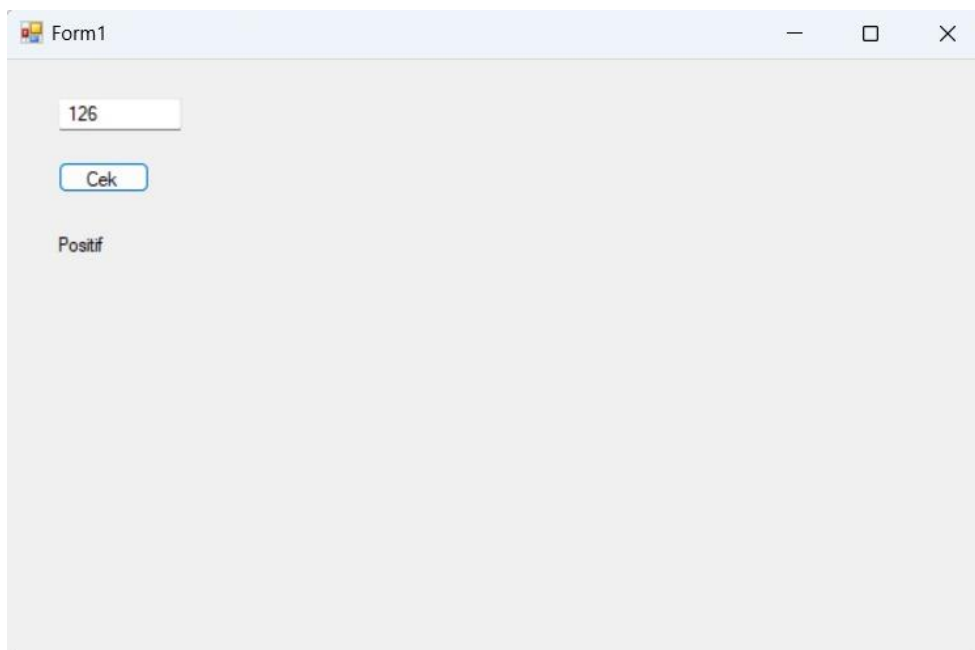
Selanjutnya melakukan software profiling

CPU



A screenshot of a Windows application window titled "Form1". The window has a standard Windows title bar with minimize, maximize, and close buttons. Inside the window, there is a text input field containing the value "00". Below the input field is a button labeled "Cek". At the bottom of the window, the text "Nol" is displayed.

Memory



A screenshot of a Windows application window titled "Form1". The window has a standard Windows title bar with minimize, maximize, and close buttons. Inside the window, there is a text input field containing the value "126". Below the input field is a button labeled "Cek". At the bottom of the window, the text "Positif" is displayed.

MENAMBAHKAN UNIT TESTING

