

TP 12 KONTRUKSI PERANGKAT LUNAK

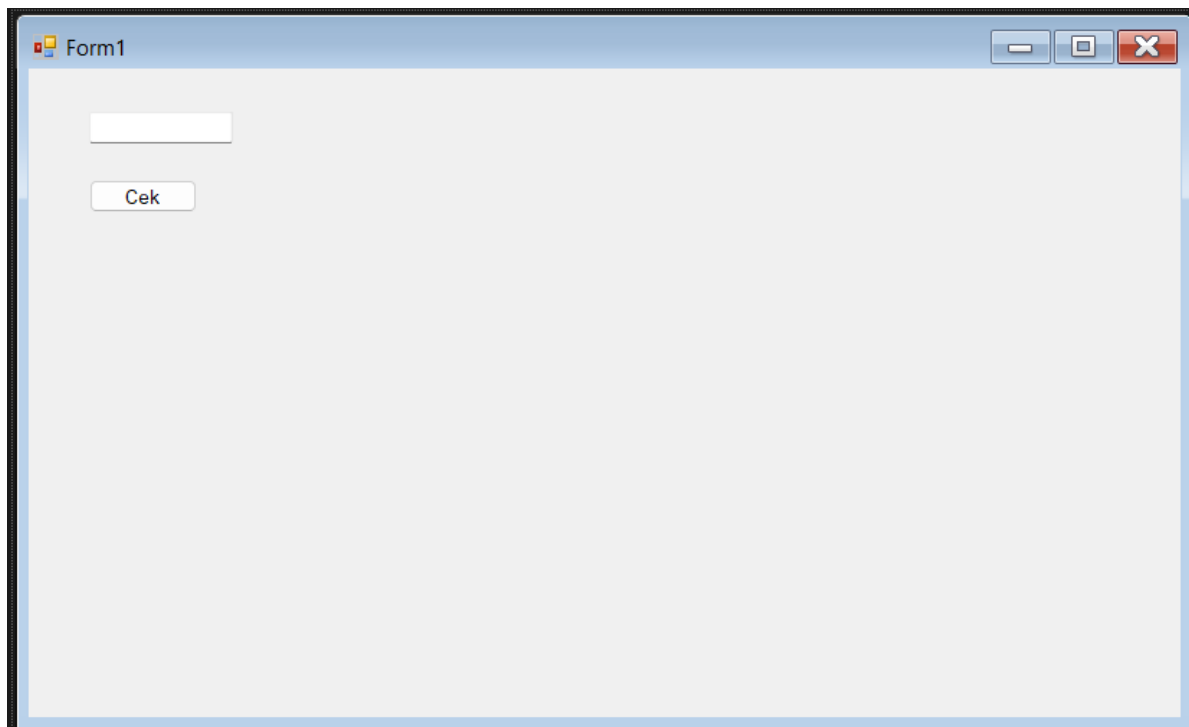
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Kelas : SE-07-02

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

Lalu menambahkan TextBox,Button dan label di menu toolbox

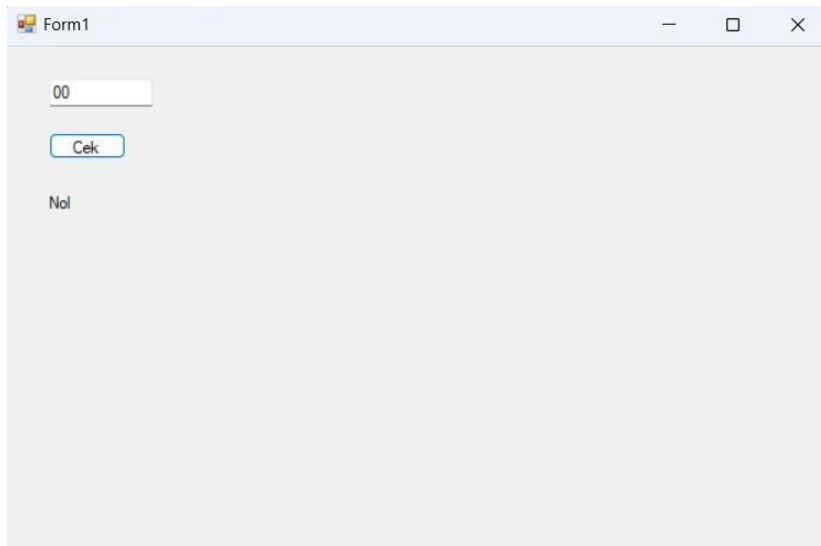


Tambahkan Logika tombol

```
12 {
13     9 references
14     public partial class Form1 : Form
15     {
16         4 references | 3/3 passing
17         public Form1()
18         {
19             InitializeComponent();
20
21         1 reference
22         private void Form1_Load(object sender, EventArgs e)
23         {
24             // Kosongkan label saat form pertama dibuka
25             label1.Text = "";
26
27             // Method untuk menentukan tanda bilangan
28             4 references | 3/3 passing
29             public string CariTandaBilangan(int a)
30             {
31                 if (a < 0)
32                     return "Negatif";
33                 else if (a > 0)
34                     return "Positif";
35                 else
36                     return "Nol";
37             }
38
39             // Logika saat tombol ditekan
40             1 reference
41             private void button1_Click(object sender, EventArgs e)
42             {
43                 int angka;
44
45                 if (int.TryParse(textBox1.Text, out angka))
46                 {
47                     string hasil = CariTandaBilangan(angka);
48                     label1.Text = hasil;
49                 }
50                 else
51                 {
52                     label1.Text = "Input tidak valid";
53                 }
54             }
55         }
56     }
57 }
```

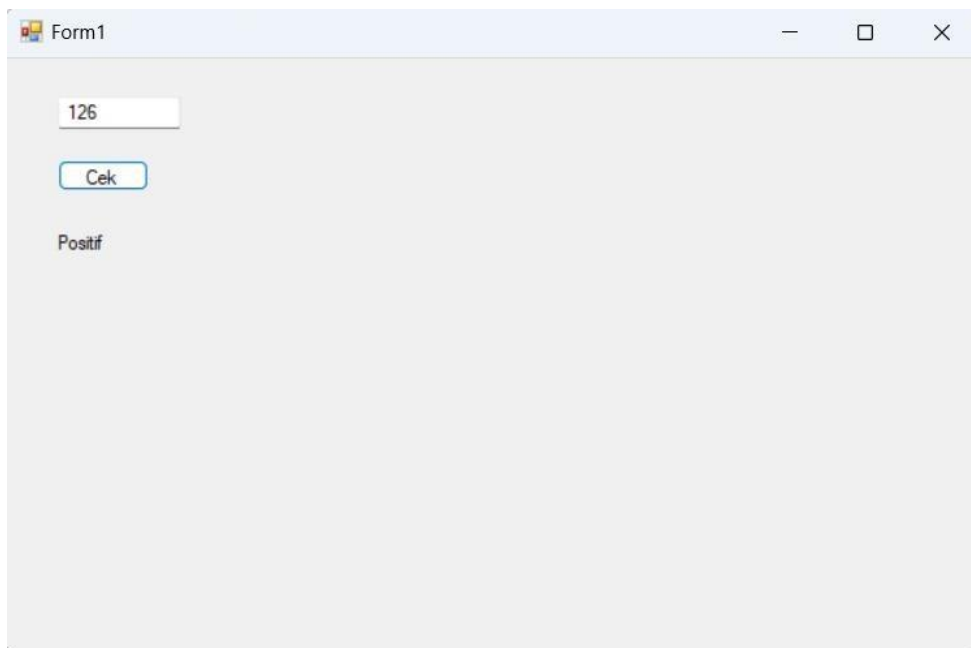
Selanjutnya melakukan software profiling

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 box containing the value "00". Below the text box 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 box containing the value "126". Below the text box is a button labeled "Cek". At the bottom of the window, the text "Positif" is displayed.

MENAMBAHKAN UNIT TESTING

