

TUGAS JURNAL MODUL 3



Disusun Oleh :

Rengganis Tantri Pramudita (2311104065)

Kelas : SE0702

Dosen :

Yudha Islami Sulistya

PROGRAM STUDI SOFTWARE ENGINEERING

DIREKTORAT KAMPUS PURWOKERTO

TELKOM UNIVERSITY PURWOKERTO

2025

1. BUATLAH PROJECT BARU dan MELAKUKAN COMMIT PERTAMA

Configure your new project

Windows Forms App (.NET Framework) C# Windows Desktop

Project name
modul3_2311104065

Location
C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub ...

Solution name ⓘ
modul3_2311104065

☐ Place solution and project in the same directory

Framework
.NET Framework 4.7.2

Project will be created in "C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub\modul3_2311104065\modul3_2311104065\"

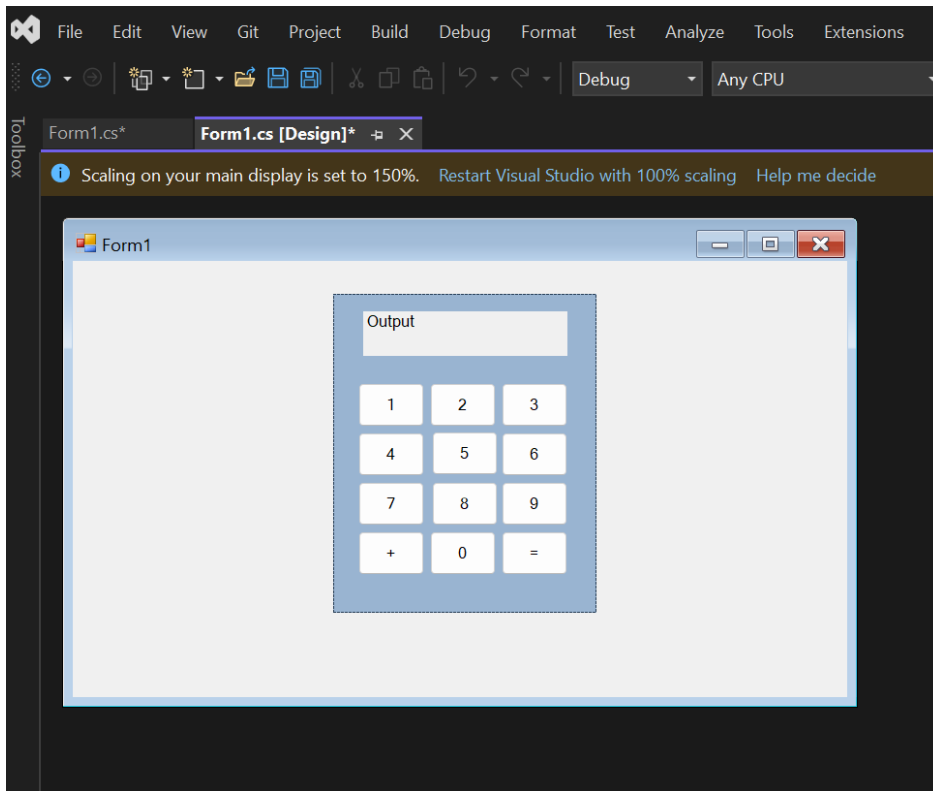
```
C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub\modul3_2311104065>git add .
C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub\modul3_2311104065>git commit -m"commit pertama"
[main 6ac10f7] commit pertama
 5 files changed, 19 insertions(+), 5 deletions(-)
 delete mode 100644 03_GUI_Builder_dan_GitHub\modul3_2311104065\modul3_2311104065\obj\Debug/.NETFramework,Version=v4.7.2.AssemblyAttr
ibutes.cs
 delete mode 100644 03_GUI_Builder_dan_GitHub\modul3_2311104065\modul3_2311104065\obj\Debug\DesignTimeResolveAssemblyReferences.cache
 delete mode 100644 03_GUI_Builder_dan_GitHub\modul3_2311104065\modul3_2311104065\obj\Debug\DesignTimeResolveAssemblyReferencesInput.
cache
 delete mode 100644 03_GUI_Builder_dan_GitHub\modul3_2311104065\modul3_2311104065\obj\Debug\modul3_2311104065.csproj.AssemblyReferenc
e.cache

C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub\modul3_2311104065>git push
Enumerating objects: 37, done.
Counting objects: 100% (37/37), done.
Delta compression using up to 12 threads
Compressing objects: 100% (31/31), done.
Writing objects: 100% (33/33), 9.75 KiB | 399.00 KiB/s, done.
Total 33 (delta 5), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (5/5), completed with 1 local object.
To https://github.com/rengganistan/KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702.git
 abc4666..6ac10f7  main -> main

C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub\modul3_2311104065>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   ../../02_Pengenalan_IDE_dan_Pemrograman_CSharp/modul2_2311104065/.vs/modul2_2311104065/v17/.suo
```

2. MENAMBAHKAN GUI



Source Code

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using static System.Windows.Forms.VisualStyles.VisualStyleElement;
namespace modul3_2311104065
{
    public partial class Form1 : Form
    {
        private double angka1 = 0;
        private double angka2 = 0;
        private char operasi;
        private bool isOperationPressed = false;
        public Form1()
        {
            InitializeComponent();
        }
        private void btn1_Click(object sender, EventArgs e)
        {

```

```

        textBox1.Text += "1";
    }
    private void btn2_Click(object sender, EventArgs e)
    {
        textBox1.Text += "2";
    }
    private void btn3_Click(object sender, EventArgs e)
    {
        textBox1.Text += "3";
    }
    private void btn4_Click(object sender, EventArgs e)
    {
        textBox1.Text += "4";
    }
    private void btn5_Click(object sender, EventArgs e)
    {
        textBox1.Text += "5";
    }
    private void btn6_Click(object sender, EventArgs e)
    {
        textBox1.Text += "6";
    }
    private void btn7_Click(object sender, EventArgs e)
    {
        textBox1.Text += "7";
    }
    private void btn8_Click(object sender, EventArgs e)
    {
        textBox1.Text += "8";
    }
    private void btn9_Click(object sender, EventArgs e)
    {
        textBox1.Text += "9";
    }
    private void btn0_Click_1(object sender, EventArgs e)
    {
        textBox1.Text += "0";
    }
    private void btnPlus_Click(object sender, EventArgs e)
    {
        if (textBox1.Text != "")
        {
            angka1 = Convert.ToDouble(textBox1.Text);
            operasi = '+';
            isOperationPressed = true;
            textBox1.Text = ""; // Kosongkan textBox1 untuk angka kedua
        }
    }

```

```

private void btnEquals_Click_1(object sender, EventArgs e)
{
    if (textBox1.Text != "" && isOperationPressed)
    {
        angka2 = Convert.ToDouble(textBox1.Text);
        double hasil = 0;

        switch (operasi)
        {
            case '+': hasil = angka1 + angka2; break;
                // Tambahkan operator lain seperti -, *, / jika ingin
        }

        textBox1.Text = hasil.ToString(); // Tampilkan hasil
        isOperationPressed = false;
    }
}
}

```

Penjelasan:

Kode C# ini merupakan kerangka dasar untuk aplikasi kalkulator sederhana menggunakan Windows Forms. Aplikasi ini memiliki variabel untuk menyimpan dua angka (angka1, angka2) dan operator (operasi). Saat tombol angka diklik (misalnya btn1_Click, btn2_Click), angka tersebut ditambahkan ke tampilan di textBox1. Ketika tombol + (btnPlus_Click) diklik, angka pertama disimpan, operator diatur, dan textBox1 dikosongkan untuk input angka kedua. Terakhir, saat tombol = (btnEquals_Click_1) diklik, angka kedua diambil, perhitungan dilakukan berdasarkan operator, dan hasilnya ditampilkan kembali di textBox1.Output:

Output:

28+9 = 37



3. MELAKUKAN COMMIT AKHIR

```
C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub\modul3_2311104065>git add .

C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub\modul3_2311104065>git commit -m"menambahkan implementasi kalkulator"
[main 41e30bf] menambahkan implementasi kalkulator
4 files changed, 377 insertions(+), 3 deletions(-)
create mode 100644 03_GUI_Builder_dan_GitHub/modul3_2311104065/modul3_2311104065/Form1.resx

C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub\modul3_2311104065>git push
Enumerating objects: 15, done.
Counting objects: 100% (15/15), done.
Delta compression using up to 12 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 4.23 KiB | 721.00 KiB/s, done.
Total 9 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To https://github.com/rengganistan/KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702.git
6ac10f7..41e30bf main -> main

C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub\modul3_2311104065>git pull
Already up to date.

C:\KPL_Rengganis-Tantri-Pramudita_2311104065_SE0702\03_GUI_Builder_dan_GitHub\modul3_2311104065>
```