

JURNAL MODUL 3



Nama :

Alya Rabani (2311104076)

Dosen :

YUDHA ISLAMI SULISTYA

**PROGRAM STUDI S1 REKAYASA PERANGKAT
LUNAK**

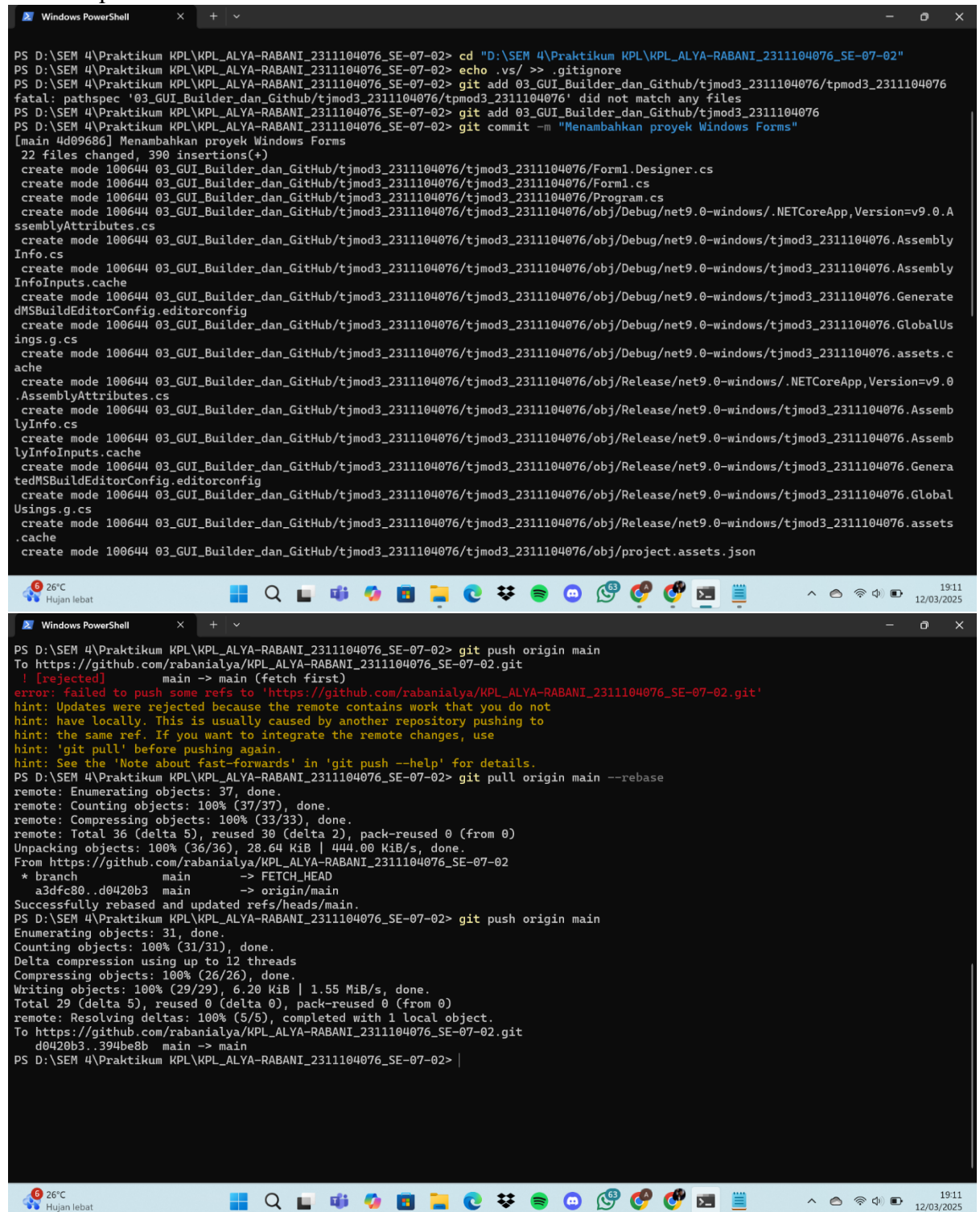
TELKOM UNIVERSITY PURWOKERTO

2025

1. Link repository Github:

https://github.com/rabaniahya/KPL_ALYA_RABANI_2311104076_SE-07-02.git

2. Commit pertama

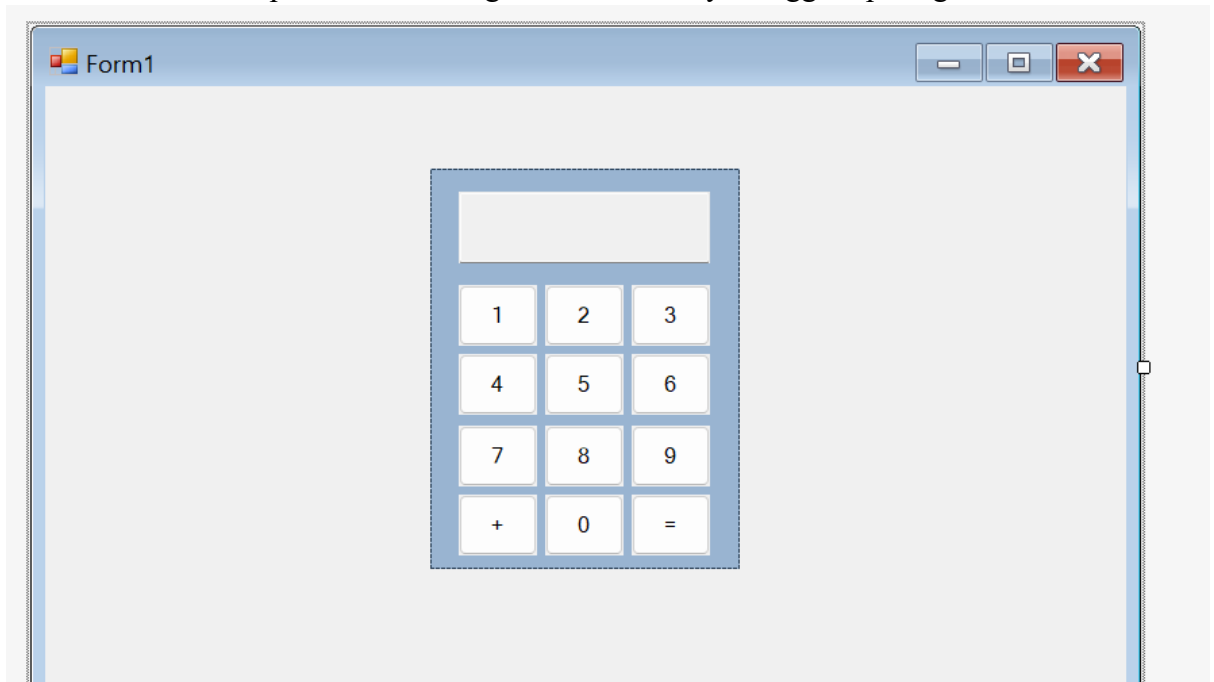


```
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02> cd "D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02"
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02> echo .vs/ >> .gitignore
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02> git add 03_GUI_Builder_dan_Github/tjmod3_2311104076/tpmod3_2311104076
fatal: pathspec '03_GUI_Builder_dan_Github/tjmod3_2311104076/tpmod3_2311104076' did not match any files
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02> git add 03_GUI_Builder_dan_Github/tjmod3_2311104076
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02> git commit -m "Menambahkan proyek Windows Forms"
[main 4d09686] Menambahkan proyek Windows Forms
 22 files changed, 390 insertions(+)
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/Form1.Designer.cs
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/Form1.cs
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/Program.cs
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Debug/net9.0-windows/.NETCoreApp,Version=v9.0.AssemblyAttributes.cs
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Debug/net9.0-windows/tjmod3_2311104076.AssemblyInfo.cs
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Debug/net9.0-windows/tjmod3_2311104076.AssemblyInfoInputs.cache
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Debug/net9.0-windows/tjmod3_2311104076.GeneratedMSBuildEditorConfig.editorconfig
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Debug/net9.0-windows/tjmod3_2311104076.GlobalUsings.g.cs
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Debug/net9.0-windows/tjmod3_2311104076.assets.cache
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Release/net9.0-windows/.NETCoreApp,Version=v9.0.AssemblyAttributes.cs
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Release/net9.0-windows/tjmod3_2311104076.AssemblyInfo.cs
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Release/net9.0-windows/tjmod3_2311104076.AssemblyInfoInputs.cache
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Release/net9.0-windows/tjmod3_2311104076.GeneratedMSBuildEditorConfig.editorconfig
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Release/net9.0-windows/tjmod3_2311104076.GlobalUsings.g.cs
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/Release/net9.0-windows/tjmod3_2311104076.assets.cache
 create mode 100644 03_GUI_Builder_dan_Github/tjmod3_2311104076/tjmod3_2311104076/obj/project.assets.json

PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02> git push origin main
To https://github.com/rabaniahya/KPL_ALYA-RABANI_2311104076_SE-07-02.git
! [rejected] main -> main (fetch first)
error: failed to push some refs to 'https://github.com/rabaniahya/KPL_ALYA-RABANI_2311104076_SE-07-02.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02> git pull origin main --rebase
remote: Enumerating objects: 37, done.
remote: Counting objects: 100% (37/37), done.
remote: Compressing objects: 100% (33/33), done.
remote: Total 36 (delta 5), reused 30 (delta 2), pack-reused 0 (from 0)
Unpacking objects: 100% (36/36), 28.64 KiB | 444.00 KiB/s, done.
From https://github.com/rabaniahya/KPL_ALYA-RABANI_2311104076_SE-07-02
 * branch main -> FETCH_HEAD
 a3dfc80..d0420b3 main -> origin/main
Successfully rebased and updated refs/heads/main.
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02> git push origin main
Enumerating objects: 31, done.
Counting objects: 100% (31/31), done.
Delta compression using up to 12 threads
Compressing objects: 100% (26/26), done.
Writing objects: 100% (29/29), 6.20 KiB | 1.55 MiB/s, done.
Total 29 (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/rabaniahya/KPL_ALYA-RABANI_2311104076_SE-07-02.git
 d0420b3..394be8b main -> main
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02> |
```

3. Menambahkan GUI

Untuk membuat desainnya saya mengambil beberapa komponen dari toolbox seperti textbox, button, dan panel. Lalu, mengedit nama, textnya hingga seperti gambar ini:



4. Melakukan commit setelah tambah tampilan GUI

```
Developer PowerShell Visual: x + v

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*****
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  ./

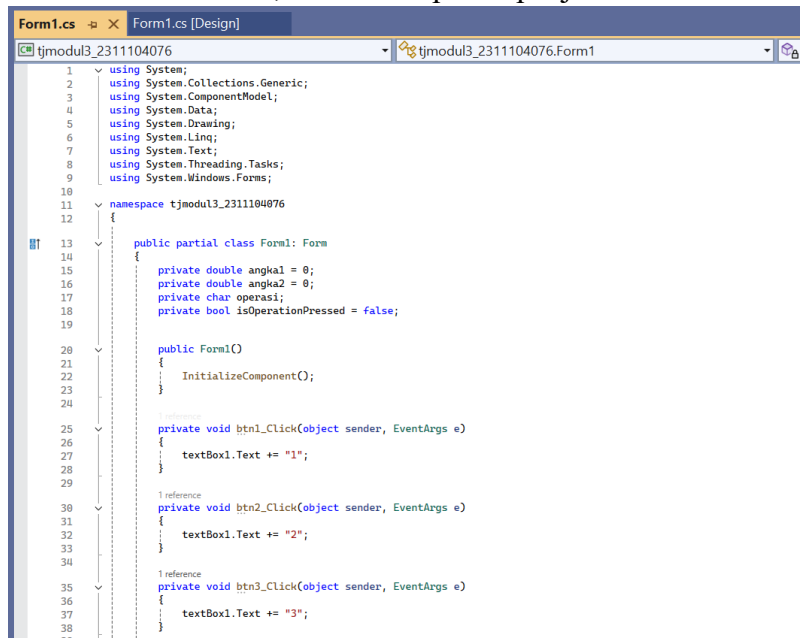
nothing added to commit but untracked files present (use "git add" to track)
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git add .
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git commit -m "Menambah pr
object GUI"
[master 1630252] Menambah project GUI
17 files changed, 491 insertions(+)
 create mode 100644 tjmod3_2311104076/.vs/tjmod3_2311104076/v17/.suo
 create mode 100644 tjmod3_2311104076/.vs/tjmod3_2311104076/v17/DocumentLayout.json
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076.sln
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/App.config
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/Form1.Designer.cs
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/Form1.cs
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/Program.cs
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/Properties/AssemblyInfo.cs
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/Properties/Resources.Designer.cs
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/Properties/Resources.resx
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/Properties/Settings.Designer.cs
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/Properties/Settings.settings
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/DesignTimeResolveAssemblyReferences.cache
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/DesignTimeResolveAssemblyReferencesInput.cache
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/tjmod3_2311104076.csproj.AssemblyReference.cache
 create mode 100644 tjmod3_2311104076/tjmod3_2311104076/tjmod3_2311104076.csproj
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git push origin main
error: src refspec main does not match any
error: failed to push some refs to 'origin'
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git push origin master
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git branch -r
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git branch -m main
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git push origin main
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git remote -v
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git remote add origin http
s://github.com/rabania/alya/KPL_ALYA-RABANI_2311104076_SE-07-02.git
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git push -u origin main
To https://github.com/rabania/alya/KPL_ALYA-RABANI_2311104076_SE-07-02.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/rabania/alya/KPL_ALYA-RABANI_2311104076_SE-07-02.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub\tjmod3_2311104076> git pull origin main --reb
ase
remote: Enumerating objects: 71, done.
remote: Counting objects: 100% (71/71), done.
remote: Compressing objects: 100% (58/58), done.
remote: Total 71 (delta 12), reused 60 (delta 7), pack-reused 0 (from 0)
Unpacking objects: 100% (71/71), 36.58 KiB | 244.00 KiB/s, done.
```

5. Menambah implementasi kalkulator

Disini saya menambahkan kode agar kalkulator tersebut dapat dijalankan. Program ini merupakan aplikasi kalkulator sederhana berbasis Windows Forms menggunakan bahasa C#. Pengguna dapat memasukkan angka melalui tombol-tombol angka yang akan ditampilkan pada textBox1. Ketika tombol operator "+" ditekan, angka pertama disimpan dalam variabel angka1, lalu setelah pengguna memasukkan angka kedua dan menekan tombol "=", hasil dari operasi penjumlahan akan ditampilkan.



```
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 tjmodul3_2311104076
12 {
13     public partial class Form1: Form
14     {
15         private double angka1 = 0;
16         private double angka2 = 0;
17         private char operasi;
18         private bool isOperationPressed = false;
19
20         public Form1()
21         {
22             InitializeComponent();
23         }
24
25         private void btn1_Click(object sender, EventArgs e)
26         {
27             textBox1.Text += "1";
28         }
29
30         private void btn2_Click(object sender, EventArgs e)
31         {
32             textBox1.Text += "2";
33         }
34
35         private void btn3_Click(object sender, EventArgs e)
36         {
37             textBox1.Text += "3";
38         }
39     }
40 }
```

Kode program:

```
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;

namespace tjmod3_2311104076
{
    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;
        }
    }
}

```

Ketika program dijalankan kalkulator akan bisa melakukan penjumlahan, disini saya menjumlahkan $28 + 9 = 37$



6. Melakukan commit akhir

Setelah semuanya selesai disini melakukan commit akhir lalu push ke github

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub> git add .
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub> git commit -m "menambahkan implementasi kalkulator"
[main 7881870] menambahkan implementasi kalkulator
20 files changed, 520 insertions(+), 3 deletions(-)
create mode 100644 tjmod3_2311104076/.vs/tjmod3_2311104076/FileContentIndex/19953d15-8dbd-49b3-9c6e-6d01c06aa569.vsix
create mode 100644 tjmod3_2311104076/.vs/tjmod3_2311104076/FileContentIndex/4d0a22dd-d9f0-4138-b2d3-24b1e7b51f70.vsix
create mode 100644 tjmod3_2311104076/.vs/tjmod3_2311104076/v17/DocumentLayout.backup.json
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/.vs/tjmod3_2311104076.csproj.dtbcache.json
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/Form1.resx
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/bin/Debug/tjmod3_2311104076.exe
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/bin/Debug/tjmod3_2311104076.exe.config
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/bin/Debug/tjmod3_2311104076.pdb
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/tjmod3_2311104076.Form1.resources
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/tjmod3_2311104076.Properties.Resources.resources
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/tjmod3_2311104076.csproj.CoreCompileInputs.cache
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/tjmod3_2311104076.csproj.FileListAbsolute.txt
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/tjmod3_2311104076.csproj.GenerateResource.cache
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/tjmod3_2311104076.exe
create mode 100644 tjmod3_2311104076/tjmod3_2311104076/obj/Debug/tjmod3_2311104076.pdb
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub> git push origin main
Enumerating objects: 40, done.
Counting objects: 100% (40/40), done.
Delta compression using up to 12 threads
Compressing objects: 100% (26/26), done.
Writing objects: 100% (29/29), 38.90 KiB | 1.77 MiB/s, done.
Total 29 (delta 4), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (4/4), completed with 3 local objects.
To https://github.com/rabaniahya/KPL_ALYA-RABANI_2311104076_SE-07-02.git
1ca7e6b..7881870 main -> main
PS D:\SEM 4\Praktikum KPL\KPL_ALYA-RABANI_2311104076_SE-07-02\03_GUI_Builder_dan_GitHub> |
```