

**Jurnal Modul 3**  
**Konstruksi Perangkat Lunak**  
**PRODI REKAYASA PERANGKAT LUNAK**



**Nama :**  
**Reyner Atira Prasetyo**  
**2311104057**  
**S1SE-07-02**

**DIREKTORAT TELKOM UNIVERSITY**  
**PURWOKERTO**

## Jurnal Modul 3

### 1. Github repo dan local repo

### Configure your new project

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

Project name

Location

 ...

Solution name ⓘ

☐ Place solution and project in the same directory

Framework

Project will be created in "C:\Users\ASUS TUF\source\repos\Modul3\_2311104057\_jurnal\Modul3\_2311104057\_jurnal\"

Back Create

## Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

*Required fields are marked with an asterisk (\*).*


**Repository template**

No template ▾

Start your repository with a template repository's contents.

---

**Owner \*** **Repository name \***

 reyneratira ▾


 /


✔ modul3\_2311104057 is available.

Great repository names are short and memorable. Need inspiration? How about [effective-enigma](#) ?

**Description** (optional)

---

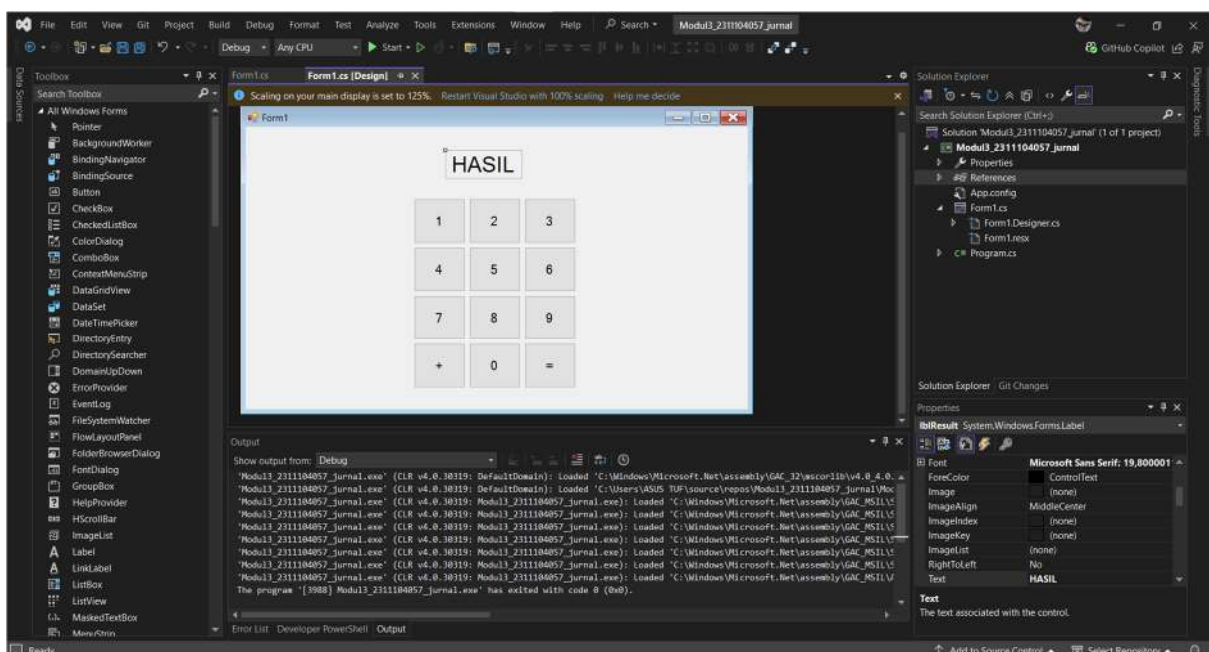
☐  **Public**  
Anyone on the internet can see this repository. You choose who can commit.

☒  **Private**  
You choose who can see and commit to this repository.

## 2. Git init, gitignore, git add, dan git commit

```
Developer PowerShell
+ Developer PowerShell
*****
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> git init
Initialized empty Git repository in C:/Users/ASUS TUF/source/repos/Modul3_2311104057_jurnal/Modul3_2311104057_jurnal/.git/
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> echo "# Windows Forms App Git Ignore" > .gitignore
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> echo "bin/" >> .gitignore
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> echo "obj/" >> .gitignore
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> echo "Debug/" >> .gitignore
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> echo "Release/" >> .gitignore
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> echo "TestResults/" >> .gitignore
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> echo ".vscode/" >> .gitignore
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> git add .
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> git commit -m "first commit"
[master (root-commit) 177fcd2] first commit
27 files changed, 948 insertions(+)
create mode 100644 .gitignore
create mode 100644 .vs/Modul3_2311104057_jurnal.csproj.dtbcache.json
create mode 100644 App.config
create mode 100644 Form1.Designer.cs
create mode 100644 Form1.cs
create mode 100644 Form1.resx
create mode 100644 Modul3_2311104057_jurnal.csproj
create mode 100644 Program.cs
create mode 100644 Properties/AssemblyInfo.cs
create mode 100644 Properties/Resources.Designer.cs
create mode 100644 Properties/Resources.resx
create mode 100644 Properties/Settings.Designer.cs
create mode 100644 Properties/Settings.settings
Developer PowerShell Error List Developer PowerShell Output
```

## 3. GUI



## 4. Code dan hasil run

```
private double currentResult = 0;
```

```
private bool isNewNumber = true;
private string operation = "";

public Form1()
{
    InitializeComponent();
    lblResult.Text = "";
}

private void button1_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;

    if (isNewNumber)
    {
        lblResult.Text = button.Text;
        isNewNumber = false;
    }
    else
    {
        lblResult.Text += button.Text;
    }
}

private void button2_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;

    if (isNewNumber)
    {
        lblResult.Text = button.Text;
        isNewNumber = false;
    }
    else
    {
        lblResult.Text += button.Text;
    }
}

private void button3_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;

    if (isNewNumber)
    {
        lblResult.Text = button.Text;
        isNewNumber = false;
    }
    else
    {
        lblResult.Text += button.Text;
    }
}

private void button4_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;

    if (isNewNumber)
    {
        lblResult.Text = button.Text;
        isNewNumber = false;
    }
}
```

```

        else
        {
            lblResult.Text += button.Text;
        }
    }
private void button5_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;

    if (isNewNumber)
    {
        lblResult.Text = button.Text;
        isNewNumber = false;
    }
    else
    {
        lblResult.Text += button.Text;
    }
}

private void button6_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;

    if (isNewNumber)
    {
        lblResult.Text = button.Text;
        isNewNumber = false;
    }
    else
    {
        lblResult.Text += button.Text;
    }
}

private void button7_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;

    if (isNewNumber)
    {
        lblResult.Text = button.Text;
        isNewNumber = false;
    }
    else
    {
        lblResult.Text += button.Text;
    }
}

private void button8_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;

    if (isNewNumber)
    {
        lblResult.Text = button.Text;
        isNewNumber = false;
    }
    else
    {
        lblResult.Text += button.Text;
    }
}

```

```

}

private void button9_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;

    if (isNewNumber)
    {
        lblResult.Text = button.Text;
        isNewNumber = false;
    }
    else
    {
        lblResult.Text += button.Text;
    }
}

private void button0_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;

    if (isNewNumber)
    {
        lblResult.Text = button.Text;
        isNewNumber = false;
    }
    else
    {
        lblResult.Text += button.Text;
    }
}

private void buttonPlus_Click(object sender, EventArgs e)
{
    Button button = (Button)sender;
    double currentNumber = Convert.ToDouble(lblResult.Text);

    if (operation == "+")
    {
        currentResult += currentNumber;
    }
    else
    {
        currentResult = currentNumber;
    }

    operation = button.Text;
    lblResult.Text = currentResult.ToString();
    isNewNumber = true;
}

private void buttonEquals_Click(object sender, EventArgs e)
{
    double currentNumber = Convert.ToDouble(lblResult.Text);

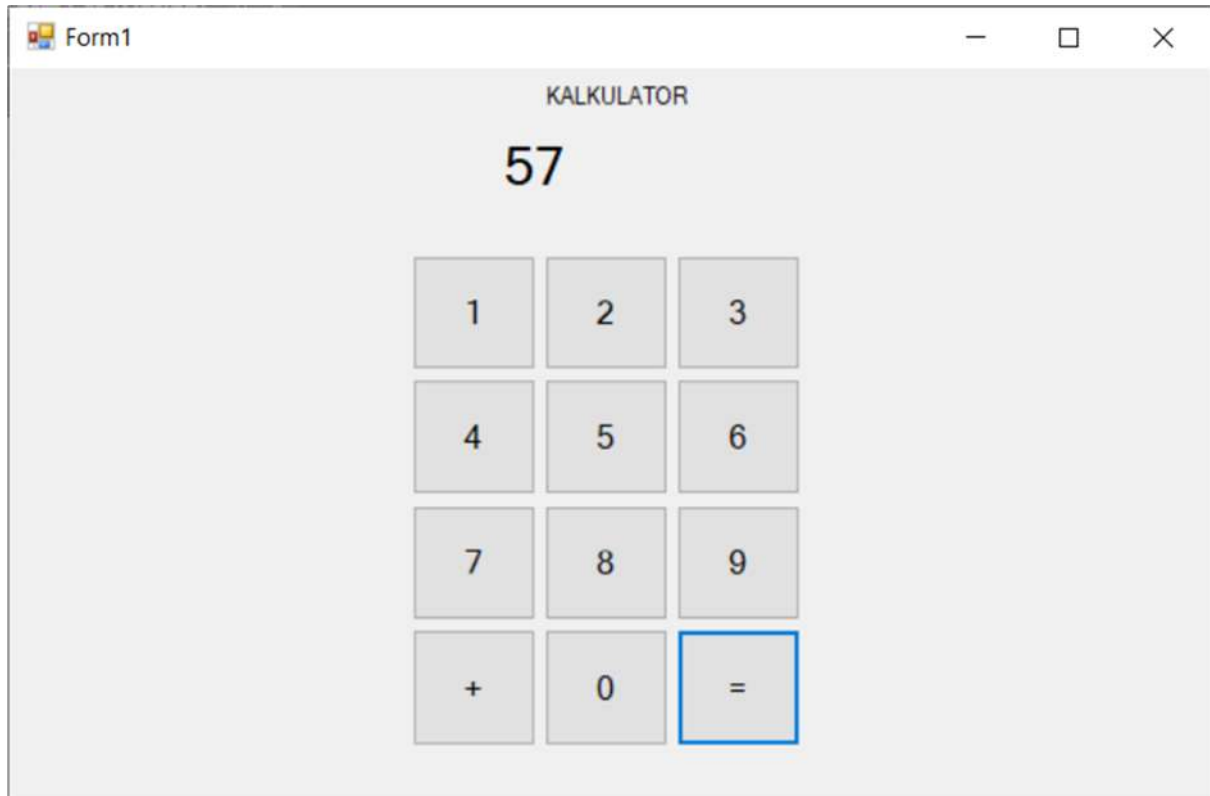
    if (operation == "+")
    {
        currentResult += currentNumber;
    }

    lblResult.Text = currentResult.ToString();
    operation = "=";
    isNewNumber = true;
}

```

```
}  
}
```

Hasil Run :



5. Final commit & push

```
Developer PowerShell
+ Developer PowerShell
create mode 100644 obj/Debug/DesignTimeResolveAssemblyReferencesInput.cache
create mode 100644 obj/Debug/Modul3_2311104057_jurnal.Form1.resources
create mode 100644 obj/Debug/Modul3_2311104057_jurnal.Properties.Resources.resources
create mode 100644 obj/Debug/Modul3_2311104057_jurnal.csproj.AssemblyReference.cache
create mode 100644 obj/Debug/Modul3_2311104057_jurnal.csproj.CoreCompileInputs.cache
create mode 100644 obj/Debug/Modul3_2311104057_jurnal.csproj.FileListAbsolute.txt
create mode 100644 obj/Debug/Modul3_2311104057_jurnal.csproj.GenerateResource.cache
create mode 100644 obj/Debug/Modul3_2311104057_jurnal.exe
create mode 100644 obj/Debug/Modul3_2311104057_jurnal.pdb
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> git add .
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> git commit -m "menambahkan fitur GUI"
[master de69e18] menambahkan fitur GUI
1 file changed, 13 insertions(+), 1 deletion(-)
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> git branch -M main
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> git remote add origin https://github.com/reynratira/modul3_2311104057.git
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal> git push -u origin main
Enumerating objects: 34, done.
Counting objects: 100% (34/34), done.
Delta compression using up to 8 threads
Compressing objects: 100% (32/32), done.
Writing objects: 100% (34/34), 21.81 KiB | 1.98 MiB/s, done.
Total 34 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/reynratira/modul3_2311104057.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\ASUS TUF\source\repos\Modul3_2311104057_jurnal\Modul3_2311104057_jurnal>
>>
```

[https://github.com/reynratira/modul3\\_2311104057](https://github.com/reynratira/modul3_2311104057)