

TUGAS PENDAHULUAN
KONSTRUKSI PERANGKAT LUNAK
PERTEMUAN 3



Oleh :

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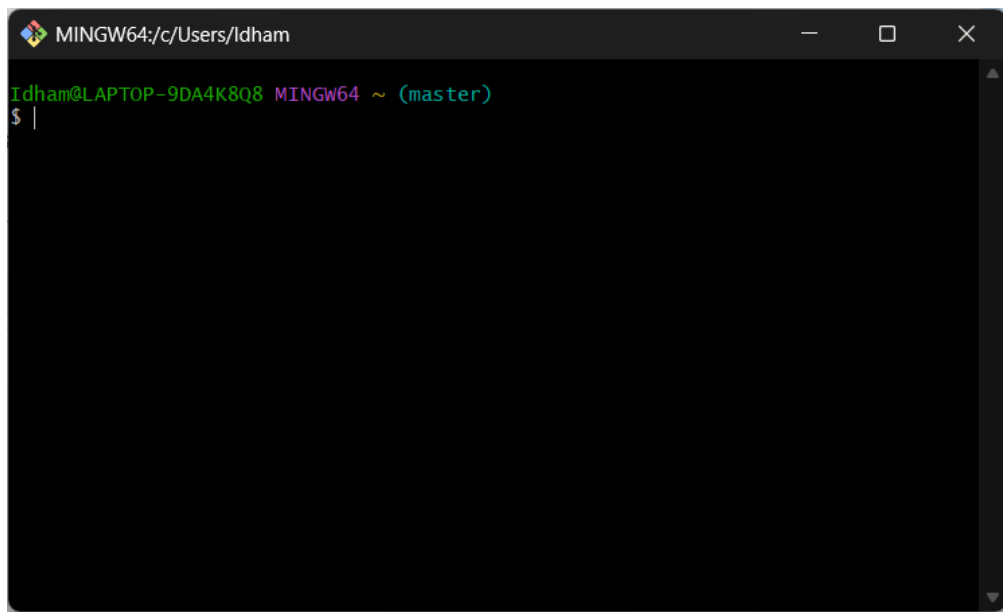
2211104016

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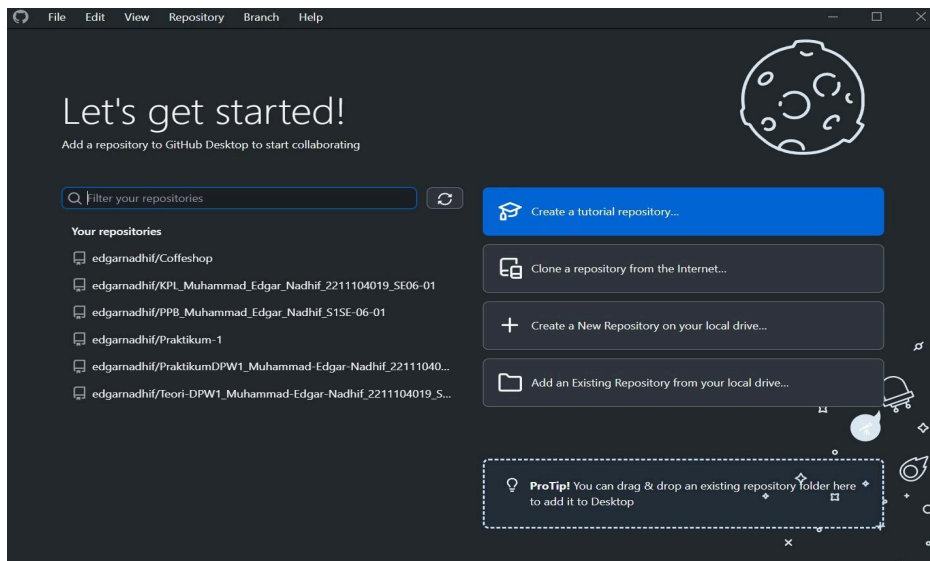
PROGRAM STUDI S1 SOFTWARE ENGINEERING
FAKULTAS INFORMATIKA
TELKOM UNIVERSITY PURWOKERTO
2025

- Instalasi Git dan Github

Git :

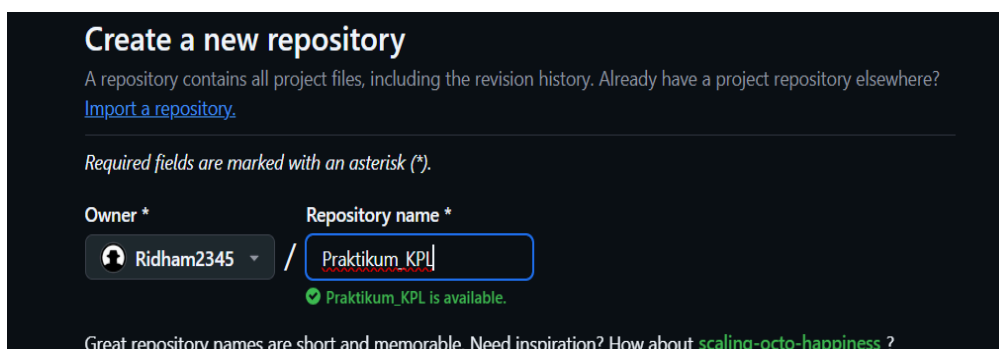


Github desktop :

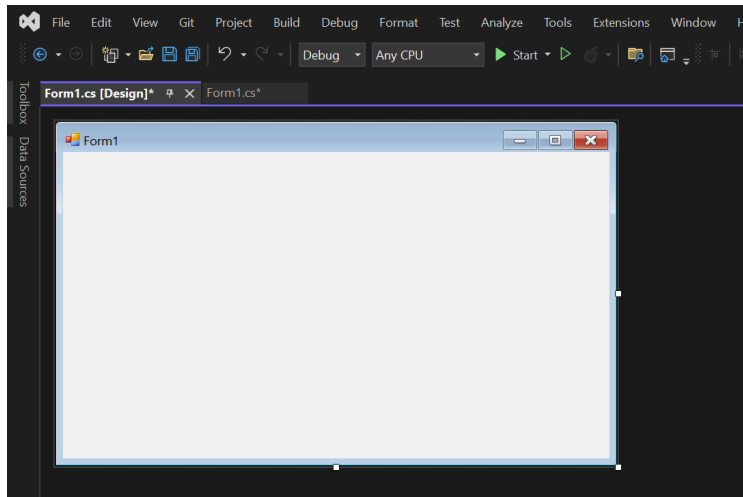


- Membuat Proyek Baru

a. Membuat repo baru pada github



b. Buat file baru pada IDE



c. Melakukan Git Init dan First Commit

```
MINGW64/d/KPL Project/Praktikum_KPL

Idham@LAPTOP-9DA4K8Q8 MINGW64 /d/KPL Project/Praktikum_KPL (main)
$ git add .

Idham@LAPTOP-9DA4K8Q8 MINGW64 /d/KPL Project/Praktikum_KPL (main)
$ git commit -m "first commit"
[main (root-commit) 07431a8] first commit
42 files changed, 585 insertions(+)
 create mode 100644 hasil praktikum/praktek3/.vs/praktek3/FileContentIndex/970d9afe-83ed-4efe-9b6f-7028cc1fd17f.vsidx
 create mode 100644 hasil praktikum/praktek3/.vs/praktek3/v17/.suo
 create mode 100644 hasil praktikum/praktek3/.vs/praktek3/v17/DocumentLayout.backup.json
 create mode 100644 hasil praktikum/praktek3/.vs/praktek3/v17/DocumentLayout.json
 create mode 100644 hasil praktikum/praktek3/praktek3.sln
 create mode 100644 hasil praktikum/praktek3/praktek3/App.config
 create mode 100644 hasil praktikum/praktek3/praktek3/Program.cs
 create mode 100644 hasil praktikum/praktek3/praktek3/Properties/AssemblyInfo.cs
 create mode 100644 hasil praktikum/praktek3/praktek3/bin/Debug/praktek3.exe
 create mode 100644 hasil praktikum/praktek3/praktek3/bin/Debug/praktek3.exe.config
 create mode 100644 hasil praktikum/praktek3/praktek3/bin/Debug/praktek3.pdb
 create mode 100644 hasil praktikum/praktek3/praktek3/obj/Debug/.NETFramework,Version=v4.7.2.AssemblyAttributes.cs
 create mode 100644 hasil praktikum/praktek3/praktek3/obj/Debug/DesignTimeResolveAssemblyReferencesInput.cache
 create mode 100644 hasil praktikum/praktek3/praktek3/obj/Debug/praktek3.csproj.AssemblyReference.cache
 create mode 100644 hasil praktikum/praktek3/praktek3/obj/Debug/praktek3.csproj.
```

```
Idham@LAPTOP-9DA4K8Q8 MINGW64 /d/KPL Project/Praktikum_KPL (main)
$ git branch -M main

Idham@LAPTOP-9DA4K8Q8 MINGW64 /d/KPL Project/Praktikum_KPL (main)
$ git remote add origin https://github.com/Ridham2345/Praktikum_KPL.git

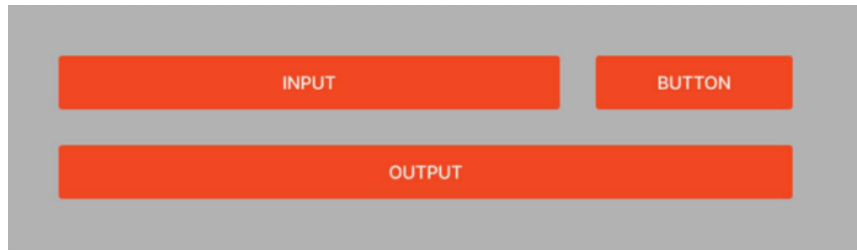
Idham@LAPTOP-9DA4K8Q8 MINGW64 /d/KPL Project/Praktikum_KPL (main)
$ git push -u origin main
Enumerating objects: 63, done.
Counting objects: 100% (63/63), done.
Delta compression using up to 4 threads
Compressing objects: 100% (56/56), done.
Writing objects: 100% (63/63), 70.97 KiB | 1.77 MiB/s, done.
Total 63 (delta 5), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (5/5), done.
To https://github.com/Ridham2345/Praktikum_KPL.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

Idham@LAPTOP-9DA4K8Q8 MINGW64 /d/KPL Project/Praktikum_KPL (main)
$
```

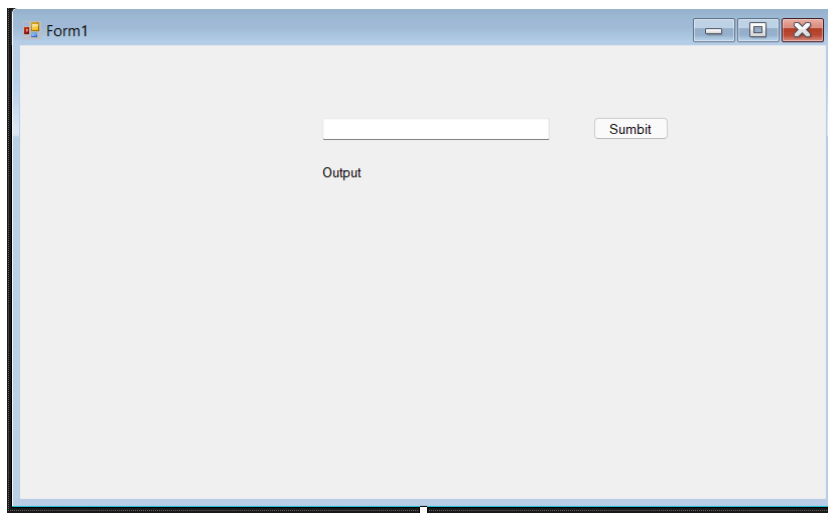
- Membuat GUI

Spesifikasi GUI yang akan diterapkan :

- A. Menerima input berupa text
- B. Mempunyai satu tombol button bertuliskan “Submit/Kirim”
- C. Mempunyai output berupa label



- Berikut ini adalah penerapannya :



- Menambahkan Fitur

Pada saat tombol ditekan, dan isian text berisi “Nama Praktikan” akan dibaca oleh aplikasi. Setelah itu label akan menampilkan “Halo Nama Praktikan”.

Source Code :

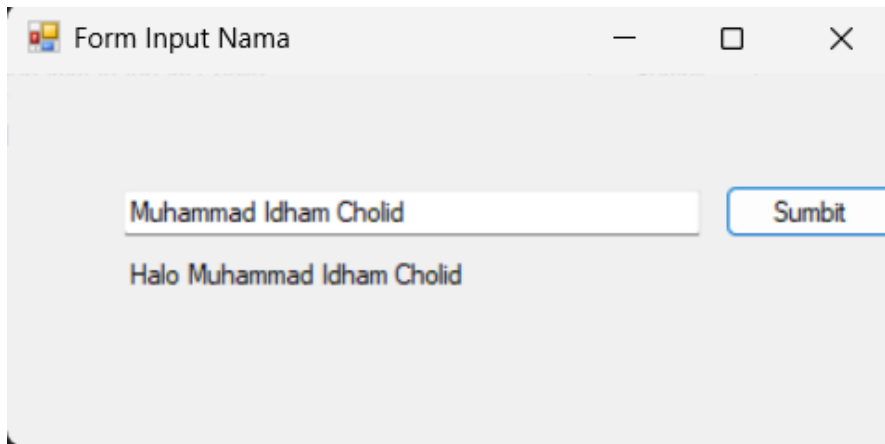
```
Form1.cs  Form1.cs [Design]
tp_2211104016

10
11 namespace tp_2211104016
12 {
13     public partial class Form1 : Form
14     {
15         public Form1()
16         {
17             InitializeComponent();
18
19             this.Text = "Form Input Nama";
20             this.Size = new Size(400, 200);
21
22             if (textBox1 != null)
23             {
24                 textBox1.Location = new Point(50, 50);
25                 textBox1.Size = new Size(200, 20);
26             }
27
28             if (button1 != null)
29             {
30                 button1.Location = new Point(260, 40);
31                 button1.Size = new Size(75, 23);
32             }
33
34             if (label1 != null)
35             {
36                 label1.Location = new Point(50, 80);
37                 label1.Size = new Size(300, 20);
38             }
39         }
40
41         private void button1_Click(object sender, EventArgs e)
42         {
43             label1.Text = "Halo " + textBox1.Text.Trim();
44         }
45
46         private void textBox1_TextChanged(object sender, EventArgs e)
47         {
48             textBox1.Size = new Size(250, 50);
49
50             if (button1 != null)
51             {
52                 button1.Location = new Point(textBox1.Right + 10, button1.Location.Y);
53             }
54         }
55
56         private void label1_Click(object sender, EventArgs e)
57         {
58         }
59
60         private void Form1_Load(object sender, EventArgs e)
61         {
62         }
63     }
64 }
65
66
67
68
69
```

Keterangan :

Pada button kita menambahkan function dimana Saat tombol button1 ditekan, teks pada label1 akan berubah menjadi "Halo [input dari textbox1]".

Berikut ini output jika program dijalankan :



- Melakukan Commit Terakhir dikarenakan di awal sudah commit jadi disini keteranganya up-to date

```
Idham@LAPTOP-9DA4K8Q8 MINGW64 /d/KPL Project/Praktikum_KPL (main)
$ git commit -m "last commit"
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

Idham@LAPTOP-9DA4K8Q8 MINGW64 /d/KPL Project/Praktikum_KPL (main)
$ git push origin main
Everything up-to-date

Idham@LAPTOP-9DA4K8Q8 MINGW64 /d/KPL Project/Praktikum_KPL (main)
$
```

Link : https://github.com/Ridham2345/Praktikum_KPL.git