

**PRAKTIKUM KONSTRUKSI PERANGKAT LUNAK  
TUGAS PENDAHULUAN 05**

**GENERICCS**



**Telkom  
University**

disusun Oleh:

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**S1 REKAYASA PERANGKAT LUNAK  
FAKULTAS INFORMATIKA  
TELKOM UNIVERSITY  
2025**

1. Link Github:
2. Screenshot hasil run (sebelum dan sesudah tombol submit ditekan)

```
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01>
git branch generic-method
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01>
git checkout generic-method
Switched to branch 'generic-method'
```

```
05_Generics > TP_05_2211104024 > TP_05_2211104024 > Program.cs
1  public class Penjumlahan
2  {
3      public static T JumlahTigaAngka<T>(T a, T b, T c) where T : struct
4      {
5          dynamic x = a;
6          dynamic y = b;
7          dynamic z = c;
8          return x + y + z;
9      }
10 }
11
12 class Program
13 {
14     static void Main()
15     {
16         double hasil = Penjumlahan.JumlahTigaAngka(22.0, 11.0, 10.0);
17         Console.WriteLine($"Hasil penjumlahan: {hasil}");
18     }
19 }
```

```

PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git add 05_Generics/TP_05_2211104024/TP_05_2211104024/Program.cs
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git commit -m "menambahkan class HaloGeneric dengan method SapaUser"
>> ^C
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git commit -m "menambahkan class HaloGeneric dengan method SapaUser"
[generic-method eafcb9f] menambahkan class HaloGeneric dengan method SapaUser
1 file changed, 19 insertions(+)
create mode 100644 05_Generics/TP_05_2211104024/TP_05_2211104024/Program.cs
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git push origin generic-method
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 719 bytes | 359.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'generic-method' on GitHub by visiting:
remote:   https://github.com/alfianmutaqin01/KPL_Alfian-Mutakim_2211104024_SE01/pull/new/generic-method
remote:
To https://github.com/alfianmutaqin01/KPL_Alfian-Mutakim_2211104024_SE01.git
 * [new branch]      generic-method -> generic-method
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git branch generic-class
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git checkout generic-class
Switched to branch 'generic-class'

```

```

using System;

3 references
class DataGeneric<T>
{
    private T data;
    1 reference
    public DataGeneric(T data)
    {
        this.data = data;
    }
    1 reference
    public void PrintData()
    {
        Console.WriteLine($"Data yang tersimpan adalah: {data}");
    }
}

0 references
class Program
{
    0 references
    static void Main(string[] args)
    {
        DataGeneric<string> data = new DataGeneric<string>("2211104024");
        data.PrintData();
    }
}

```

Microsoft Visual Studio Debug Console

Data yang tersimpan adalah: 2211104024

```

PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git add 05_Generics/TP_05_2211104024/TP_05_2211104024/Program.cs
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git commit -m "menambahkan class DataGeneric"
[generic-class 5fa7a75] menambahkan class DataGeneric
1 file changed, 23 insertions(+)
create mode 100644 05_Generics/TP_05_2211104024/TP_05_2211104024/Program.cs
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git push origin Generic-class
fatal: Generic-class cannot be resolved to branch
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git push origin generic-class
Enumerating objects: 8, done.

```

```

PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git marge generic-method
git: 'marge' is not a git command. See 'git --help'.

```

The most similar command is

merge

```

PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git merge generic-method
Updating 3471966..eafcb9f
Fast-forward
.../TP_05_2211104024/TP_05_2211104024/Program.cs      | 19 ++++++
1 file changed, 19 insertions(+)
create mode 100644 05_Generics/TP_05_2211104024/TP_05_2211104024/Program.cs
Automatic merge failed; fix conflicts and then commit the result.
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git push origin main
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/alfianmutaqin01/KPL_Alfian-Mutakim_2211104024_SE01.git
3471966..eafcb9f  main -> main
PS D:\Kuliah\Semester 6\Konstruksi Perangkat Lunak\Praktikum KPL\KPL_Alfian-Mutakim_2211104024_SE01> git merge generic-class
error: Merging is not possible because you have unmerged files

```

3. Penjelasan singkat dari kode implementasi yang dibuat (beserta screenshot dari potongan source code yang dijelaskan).  
Menyelesaikan masalah commit ganda.