



**TUGAS PENDAHULUAN  
KONSTRUKSI PERANGKAT LUNAK  
MODUL 5**

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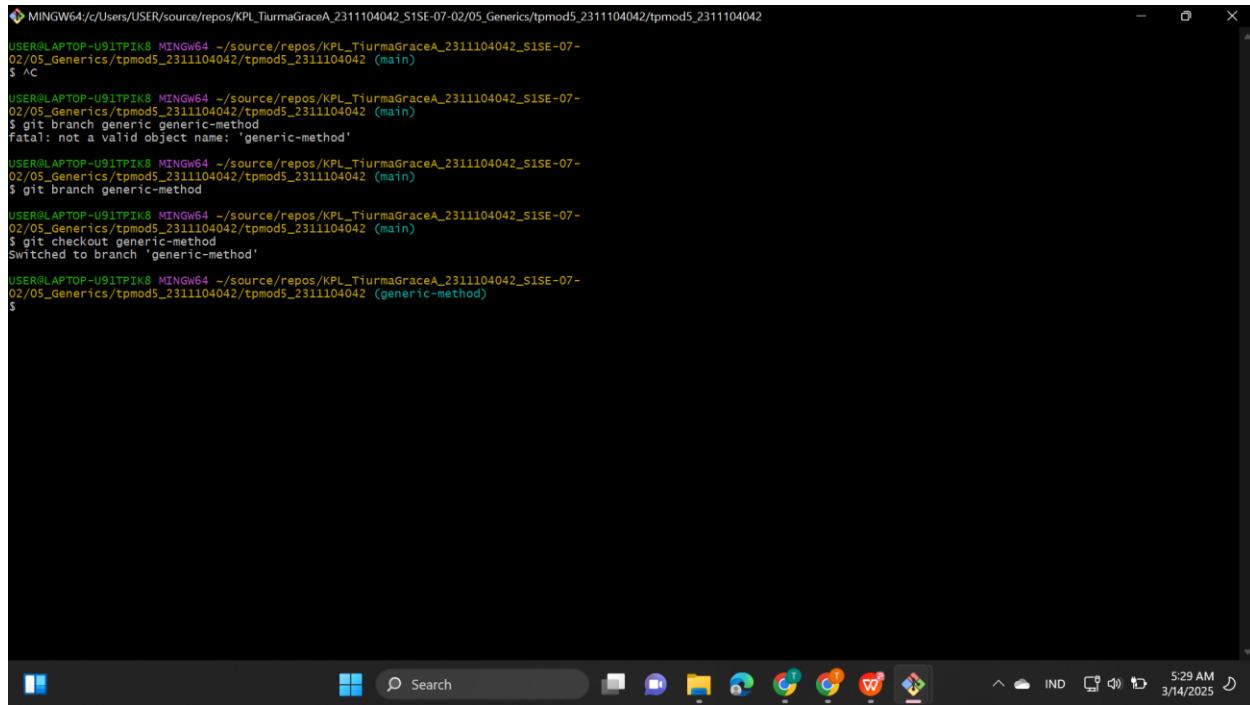
**OLEH :**  
**TIURMA GRACE ANGELINA – 2311104042**  
**S1-SE07-02**

**Dosen :**

**Yudha Islami Sulistya**

**Prodi S1 Rekaya Perangkat Lunak  
Direktorat Kampus Purwokerto**

## MEMBUAT BRANCH BARU PADA GIT PROJECT



```
MINGW64:/c/Users/USER/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-02/05_Generics/tmod5_2311104042/tmod5_2311104042
USER@LAPTOP-U91TPIK8 MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-
02/05_Generics/tmod5_2311104042/tmod5_2311104042 (main)
$ git branch generic generic-method
fatal: not a valid object name: 'generic-method'

USER@LAPTOP-U91TPIK8 MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-
02/05_Generics/tmod5_2311104042/tmod5_2311104042 (main)
$ git checkout generic-method
Switched to branch 'generic-method'

USER@LAPTOP-U91TPIK8 MINGW64 ~/source/repos/KPL_TiurmaGraceA_2311104042_S1SE-07-
02/05_Generics/tmod5_2311104042/tmod5_2311104042 (generic-method)
$
```

## MENAMBAHKAN METHOD DENGAN GENERIC

### 1. Class HaloGeneric.cs

```
using System;

class HaloGeneric
{
    public void SapaUser<T>(T user)
    {
        Console.WriteLine($"Halo user {user}");
    }
}
```

### 2. Class Program.cs

```
class Program
{
    static void Main(string[] args)
    {
        HaloGeneric halo = new HaloGeneric();

        halo.SapaUser("Tiurma");
    }
}
```

```
}
```

## Output :

The screenshot shows the Microsoft Visual Studio interface with the following details:

- Solution Explorer:** Shows a solution named "tpmod5\_2311104042" containing four projects: Dependencies, DataGeneric.cs, HaloGeneric.cs, Program.cs, and Program1.cs.
- Code Editor:** Displays the "Program.cs" file with the following code:

```
1 class Program
2 {
3     static void Main(string[] args)
4     {
5         Console.WriteLine("Halo user Tiurma");
6     }
7 }
```
- Output Window:** Shows the console output:

```
C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042\tpmod5_2311104042\bin\Debug\net8.0\tpmod5_2311104042.exe (process 17236) exited with code 0 (0x0).
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```
- Taskbar:** Shows the Windows taskbar with various pinned icons including File Explorer, Edge, and File Explorer.

## Commit

**MELAKUKAN COMMIT, PUSH, DAN PINDAH KE BRANCH**

```
C:\WINDOWS\system32\cmd.exe
=====
** Visual Studio 2022 Developer Command Prompt v17.13.0
** Copyright (c) 2022 Microsoft Corporation
=====

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git add tpmod5_2311104042

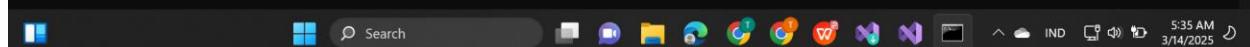
C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git commit -m "menambahkan class HaloGeneric dengan method SapaUser"
[generic-method 7541741] menambahkan class HaloGeneric dengan method SapaUser
 29 files changed, 318 insertions(+)

create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\HaloGeneric.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\Program.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\bin\Debug\net8.0\tpmod5_2311104042.deps.json
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\bin\Debug\net8.0\tpmod5_2311104042.dll
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\bin\Debug\net8.0\tpmod5_2311104042.exe
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\bin\Debug\net8.0\tpmod5_2311104042.pdb
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\bin\Debug\net8.0\tpmod5_2311104042.runtimeconfig.json
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\.NETCoreApp,Version=v8.0.AssemblyAttributes.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\apphost.exe
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\ref\tpmod5_2311104042.dll
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\refint\tpmod5_2311104042.dll
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.AssemblyInfo.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.AssemblyInfoInputs.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.GeneratedISBuildEditorConfig.editorconfig
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.GlobalUsings.g.cs create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.assets.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.csproj.BuildWithSkipAnalyzers
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.csproj.CoreCompileInputs.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.csproj.FileListAbsolute.txt
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.d1l
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.genruntimeconfig.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.pdb
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.sourcelink.json
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\project.assets.json
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\project.nuget.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\tpmod5_2311104042.csproj.nuget.dgspec.json
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\tpmod5_2311104042.csproj.nuget.g.props
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\tpmod5_2311104042.csproj.nuget.g.targets
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\tpmod5_2311104042.csproj
```

```
C:\WINDOWS\system32\cmd.exe
=====
create mode 100644 05_Generics\tpmod5_2311104042\obj\Debug\net8.0\ref\tpmod5_2311104042.dll
create mode 100644 05_Generics\tpmod5_2311104042\obj\Debug\net8.0\refint\tpmod5_2311104042.dll
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.AssemblyInfo.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.AssemblyInfoInputs.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.GeneratedISBuildEditorConfig.editorconfig
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.GlobalUsings.g.cs create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.assets.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.csproj.BuildWithSkipAnalyzers
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.csproj.CoreCompileInputs.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.csproj.FileListAbsolute.txt
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.d1l
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.genruntimeconfig.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.pdb
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.sourcelink.json
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\project.assets.json
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\project.nuget.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\tpmod5_2311104042.csproj.nuget.dgspec.json
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\tpmod5_2311104042.csproj.nuget.g.props
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\tpmod5_2311104042.csproj.nuget.g.targets
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\tpmod5_2311104042.csproj

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git push origin generic-method
Enumerating objects: 39, done.
Counting objects: 100% (39/39), done.
Delta compression using up to 12 threads
Compressing objects: 100% (31/31), done.
Writing objects: 100% (37/37), 77.77 KiB | 2.68 MiB/s, done.
Total 37 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
remote:
remote: Create a pull request for 'generic-method' on GitHub by visiting:
remote:   https://github.com/tiurmagrace/KPL_TiurmaGraceA_2311104042_S1SE-07-02/pull/new/generic-method
remote:
To https://github.com/tiurmagrace/KPL_TiurmaGraceA_2311104042_S1SE-07-02.git
 * [new branch]      generic-method -> generic-method

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>
```



```

C:\WINDOWS\system32\cmd.exe
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.csproj.FileListAbsolute.txt
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.d1l
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.genruntimeconfig.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.pdb
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\Debug\net8.0\tpmod5_2311104042.sourcelink.json
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\project.assets.json
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\project.nuget.cache
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\obj\tpmod5_2311104042.csproj.nuget.dgspec.json
create mode 100644 05_Generics\tpmod5_2311104042\obj\tpmod5_2311104042.csproj.nuget.g.props
create mode 100644 05_Generics\tpmod5_2311104042\obj\tpmod5_2311104042.csproj.nuget.g.targets
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042.csproj

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git push origin generic-method
Enumerating objects: 39, done.
Counting objects: 100% (39/39), done.
Delta compression using up to 12 threads
Compressing objects: 100% (31/31), done.
Writing objects: 100% (37/37), 77.77 Kib | 2.68 MiB/s, done.
Total 37 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
remote:
remote: Create a pull request for 'generic-method' on GitHub by visiting:
remote:   https://github.com/tiurmagrace/KPL_TiurmaGraceA_2311104042_S1SE-07-02/pull/new/generic-method
remote:
To https://github.com/tiurmagrace/KPL_TiurmaGraceA_2311104042_S1SE-07-02.git
 * [new branch] generic-method -> generic-method

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git branch generic-class
C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git checkout generic-class
Switched to branch 'generic-class'

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>

```

## Penjelasan :

### Class HaloGeneric

- **Method SapaUser<T>()**

```

public void SapaUser<T>(T user)

{
    Console.WriteLine($"Halo user {user}");
}

```

- **Method SapaUser<T>() adalah Generic Method yang bisa menerima parameter dengan tipe data apapun.**
- **Contohnya, bisa input String, Angka, bahkan Object.**

- **Program.cs**

```

static void Main(string[] args)

{
    HaloGeneric halo = new HaloGeneric();

    halo.SapaUser("Tiurma"); // Memanggil method SapaUser dengan tipe data
                            // String

```

```
}
```

- Membuat objek dari class HaloGeneric.
- Memanggil method SapaUser() dengan input "Tiurma".
- Output:

Halo user Tiurma

## MENAMBAHKAN METHOD DENGAN GENERIC

### 1. DataGeneric.cs

```
using System;

class DataGeneric<T>
{
    private T data;

    public DataGeneric(T data)
    {
        this.data = data;
    }

    public void PrintData()
    {
        Console.WriteLine($"Data yang tersimpan adalah: {data}");
    }
}
```

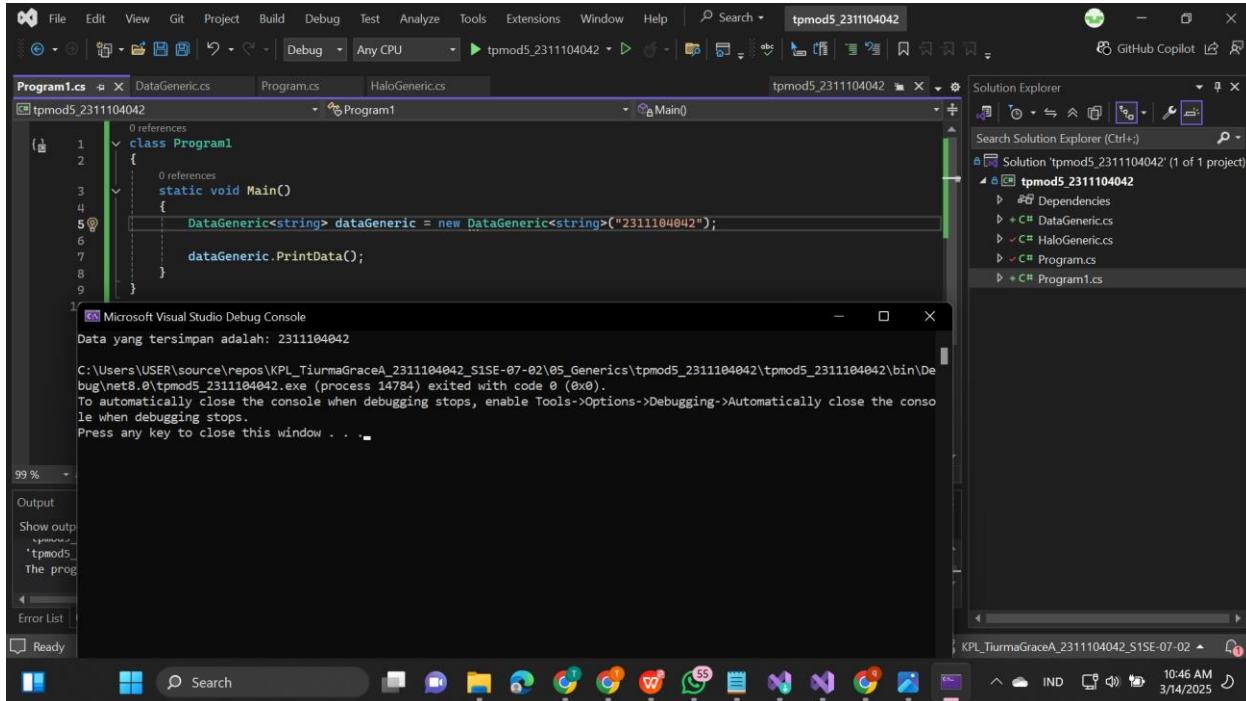
### 2. Program1.cs

```
class Program1
{
    static void Main()
    {
        DataGeneric<string> dataGeneric = new DataGeneric<string>("2311104042");

        dataGeneric.PrintData();
    }
}
```

```
}
```

## Output



## Commit

```

C:\WINDOWS\system32\cmd.exe
*****
** Visual Studio 2022 Developer Command Prompt v17.13.0
** Copyright (c) 2022 Microsoft Corporation
***** 

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git branch
 generic-class
 generic-method
 * main

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git checkout generic-class
error: Your local changes to the following files would be overwritten by checkout:
 05_Generics\tpmod5_2311104042\tpmod5_2311104042\HaloGeneric.cs
 05_Generics\tpmod5_2311104042\tpmod5_2311104042\Program.cs
Please commit your changes or stash them before you switch branches.
Aborting

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>cd tpmod5_2311104042
C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git add DataGeneric.cs Program1.cs

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git commit -m "menambahkan class DataGeneric"
[main 305b3e4] menambahkan class DataGeneric
 2 files changed, 25 insertions(+)
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\DataGeneric.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\Program1.cs

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git checkout generic-class
error: Your local changes to the following files would be overwritten by checkout:
 05_Generics\tpmod5_2311104042\tpmod5_2311104042\HaloGeneric.cs
 05_Generics\tpmod5_2311104042\tpmod5_2311104042\Program.cs
Please commit your changes or stash them before you switch branches.
Aborting

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git stash
Saved working directory and index state WIP on main: 305b3e4 menambahkan class DataGeneric

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git checkout generic-class
Switched to branch 'generic-class'

```

```
C:\WINDOWS\system32\cmd.exe
error: Your local changes to the following files would be overwritten by checkout:
  05_Generics\tpmod5_2311104042\tpmod5_2311104042\Halogeneric.cs
  05_Generics\tpmod5_2311104042\tpmod5_2311104042\Program.cs
Please commit your changes or stash them before you switch branches.
Aborting

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042\tpmod5_2311104042>git stash
Saved working directory and index state WIP on main: 305b3e4 menambahkan class DataGeneric

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042\tpmod5_2311104042>git checkout generic-class
Switched to branch 'generic-class'

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042\tpmod5_2311104042>git merge main
Updating c52e071...305b3e4
Fast-forward
 05_Generics/.gitignore | 23 ++++++-----+
  ./tpmod5_2311104042/tpmod5_2311104042.sln | 25 ++++++-----+
  ./tpmod5_2311104042/DataGeneric.cs | 16 ++++++-----+
  ./tpmod5_2311104042/Halogeneric.cs | 11 ++++++-----+
  ./tpmod5_2311104042/tpmod5_2311104042/Program.cs | 15 ++++++-----+
  ./tpmod5_2311104042/Program1.cs | 9 ++++++-----+
  ./tpmod5_2311104042/tpmod5_2311104042.csproj | 18 ++++++-----+
7 files changed, 109 insertions(+)
create mode 100644 05_Generics/.gitignore
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042.sln
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\DataGeneric.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\Halogeneric.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\Program.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\Program1.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\tpmod5_2311104042.csproj

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042\tpmod5_2311104042>git push origin generic-class
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 867 bytes | 289.00 KiB/s, done.
Total 7 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
remote:

11:06 AM 3/14/2025
```

```
C:\WINDOWS\system32\cmd.exe
  ./tpmod5_2311104042/Program1.cs | 9 ++++++-----+
  ./tpmod5_2311104042/tpmod5_2311104042.csproj | 10 ++++++-----+
7 files changed, 109 insertions(+)
create mode 100644 05_Generics/.gitignore
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042.sln
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\DataGeneric.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\Halogeneric.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\Program.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\Program1.cs
create mode 100644 05_Generics\tpmod5_2311104042\tpmod5_2311104042\tpmod5_2311104042.csproj

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042\tpmod5_2311104042>git push origin generic-class
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 867 bytes | 289.00 KiB/s, done.
Total 7 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
remote:
remote: Create a pull request for 'generic-class' on GitHub by visiting:
remote:   https://github.com/tiurmagrace/KPL_TiurmaGraceA_2311104042_S1SE-07-02/pull/new/generic-class
remote:
To https://github.com/tiurmagrace/KPL_TiurmaGraceA_2311104042_S1SE-07-02.git
 * [new branch]      generic-class -> generic-class

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042\tpmod5_2311104042>git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042\tpmod5_2311104042
```

```
C:\WINDOWS\system32\cmd.exe - git log --oneline --graph --all
remote: Create a pull request for 'generic-class' on GitHub by visiting:
remote:     https://github.com/tiurmagrace/KPL_TiurmaGraceA_2311104042_S1SE-07-02/pull/new/generic-class
remote:
To https://github.com/tiurmagrace/KPL_TiurmaGraceA_2311104042_S1SE-07-02.git
 * [new branch]      generic-class -> generic-class

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git branch
  generic-class
  generic-method
* main

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git pull origin main
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (1/1), 908 bytes | 227.00 KiB/s, done.
From https://github.com/tiurmagrace/KPL_TiurmaGraceA_2311104042_S1SE-07-02
 * branch      main      -> FETCH_HEAD
   c363d97..6a2bcf8  main      -> origin/main
Updating 305b3e4..6a2bcf8
Fast-forward

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git merge generic-class
Already up to date.

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git branch
  generic-class
  generic-method
* main

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git merge generic-method
Already up to date.

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git push origin main
 11:36 AM 3/14/2025
```

```
C:\WINDOWS\system32\cmd.exe - git log --oneline --graph --all
C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git merge generic-method
Already up to date.

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git push origin main
Everything up-to-date

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git branch
  generic-class
  generic-method
* main

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git merge generic-class
Already up to date.

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git push origin main
Everything up-to-date

C:\Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git log --oneline --graph --all
* 6a2bcf8 (HEAD -> main, origin/main, origin/HEAD) Merge pull request #2 from tiurmagrace/generic-class
  * 3bca260 (refs/stash) WIP on main: 305b3e4 menambahkan class DataGeneric
  * 4f64872 index on main: 305b3e4 menambahkan class DataGeneric
  * 305b3e4 (origin/generic-class, generic-class) menambahkan class DataGeneric
/
* c363d97 Final update .gitignore to exclude .vs folder
* 1ce755b Ignore modul5_2311104042_praktikum folder
* f8bae04 Add solution and project files, update .gitignore
* e498a64 Fix .gitignore untuk Visual Studio
* 8e74525 Fix .gitignore
* f75bb5f Resolve merge conflict: Delete auto-generated files
* 7e6a3a4 Merge pull request #1 from tiurmagrace/generic-method
/
* 7541741 (origin/generic-method, generic-method) menambahkan class HaloGeneric dengan method SapaUser
/
 11:36 AM 3/14/2025
```

```
C:\WINDOWS\system32\cmd.exe - git log --oneline --graph --all
Everything up-to-date

C:Users\USER\source\repos\KPL_TiurmaGraceA_2311104042_S1SE-07-02\05_Generics\tpmod5_2311104042>git log --oneline --graph --all
* 6a2bcf8 (HEAD -> main, origin/main, origin/HEAD) Merge pull request #2 from tiurmagrace/generic-class
| \
| * 3bca260 (refs/stash) WIP on main: 305b3e4 menambahkan class DataGeneric
| |
| * 4f64872 index on main: 305b3e4 menambahkan class DataGeneric
| |
| * 305b3e4 (origin/generic-class, generic-class) menambahkan class DataGeneric
|/
| c363d97 Final update .gitignore to exclude .vs folder
| 1ce755b Ignore modul5_2311104042_praktikum folder
| f8bae04 Add solution and project files, update .gitignore
| e498a64 Fix .gitignore untuk Visual Studio
| 8e74525 Fix gitignore
| f75bb5f Resolve merge conflict: Delete auto-generated files
| 7ea3a4 Merge pull request #1 from tiurmagrace/generic-method
| \
| * 7541741 (origin/generic-method, generic-method) menambahkan class HaloGeneric dengan method SapaUser
|/
| c52e071 menambahkan class PosisiKarakterGame
| 19ee89c menambahkan class KodeBuah
| 697710e Add .gitignore to ignore unnecessary files and folders
| 286562d hapus file lama dari folder sebelumnya
| 1141586 Remove cached files and apply .gitignore
| d44f388 menambahkan implementasi dengan state-based
| 57586d2 menambahkan implementasi dengan table-driven
| 8cc69d2 Create .md
| 0289762 Hapus folder duplikat
| f2c8e9a menambahkan implementasi dengan table-driven
| 2cae079 Fix konflik dan bersihin file yang ke-index sebelumnya
| \
| * 306635c Create .md
| * baf15fb Delete 04_Automata_dan_Table-Driven_Construction/tpmod4_2311104042 directory
| * 5ceca64 Delete 04_Automata_dan_Table-Driven_Construction/tjmod4_2311104042/tjmod4_2311104042 directory
| | ae46e37 menambahkan implementasi dengan table-driven
| | e31ea6e menambahkan implementasi dengan table-driven
|/
| * d6ae14f Menambahkan class PosisiKarakterGame
11:36 AM 3/14/2025
```

```
C:\WINDOWS\system32\cmd.exe - git log --oneline --graph --all
| \
| * 3bca260 (refs/stash) WIP on main: 305b3e4 menambahkan class DataGeneric
| |
| * 4f64872 index on main: 305b3e4 menambahkan class DataGeneric
| |
| * 305b3e4 (origin/generic-class, generic-class) menambahkan class DataGeneric
|/
| c363d97 Final update .gitignore to exclude .vs folder
| 1ce755b Ignore modul5_2311104042_praktikum folder
| f8bae04 Add solution and project files, update .gitignore
| e498a64 Fix .gitignore untuk Visual Studio
| 8e74525 Fix gitignore
| f75bb5f Resolve merge conflict: Delete auto-generated files
| 7ea3a4 Merge pull request #1 from tiurmagrace/generic-method
| \
| * 7541741 (origin/generic-method, generic-method) menambahkan class HaloGeneric dengan method SapaUser
|/
| c52e071 menambahkan class PosisiKarakterGame
| 19ee89c menambahkan class KodeBuah
| 697710e Add .gitignore to ignore unnecessary files and folders
| 286562d hapus file lama dari folder sebelumnya
| 1141586 Remove cached files and apply .gitignore
| d44f388 menambahkan implementasi dengan state-based
| 57586d2 menambahkan implementasi dengan table-driven
| 8cc69d2 Create .md
| 0289762 Hapus folder duplikat
| f2c8e9a menambahkan implementasi dengan table-driven
| 2cae079 Fix konflik dan bersihin file yang ke-index sebelumnya
| \
| * 306635c Create .md
| * baf15fb Delete 04_Automata_dan_Table-Driven_Construction/tpmod4_2311104042 directory
| * 5ceca64 Delete 04_Automata_dan_Table-Driven_Construction/tjmod4_2311104042/tjmod4_2311104042 directory
| | ae46e37 menambahkan implementasi dengan table-driven
| | e31ea6e menambahkan implementasi dengan table-driven
|/
| * d6ae14f Menambahkan class PosisiKarakterGame
| * b76c07f ****
| * 1a3fbfa4 menambahkan class KodeBuah
11:36 AM 3/14/2025
```

## Penjelasan

- **Constructor Generic**

**private T data;**

```
public DataGeneric(T data)
```

```
{
```

```
    this.data = data;
```

```
}
```

- **T** adalah tipe data generic yang dapat diisi dengan tipe data apa saja.

- **Method PrintData()**

```
public void PrintData()
```

```
{
```

```
    Console.WriteLine($"Data yang tersimpan adalah: {data}");
```

```
}
```

- Method ini digunakan untuk menampilkan data yang disimpan di constructor.

- **Program1.cs**

```
static void Main()
```

```
{
```

```
    DataGeneric<string> dataGeneric = new DataGeneric<string>("2311104042");
```

```
    dataGeneric.PrintData();
```

```
}
```

- Membuat objek dataGeneric dengan tipe data String.

- Input data: "2311104042"

