

1. Link Github

[TP_MOD_-05-_1302223054/obj at generic-class ·](#)

[MuhammadNurShodiq/TP_MOD_-05-_1302223054 \(github.com\)](#)

2. Code and run

The first screenshot shows the Visual Studio IDE with the following C# code in Program.cs:

```
1 internal class Program
2 {
3     2 references
4     public class HaloGeneric
5     {
6         1 reference
7         public void SapaUser<T>(T user)
8         {
9             Console.WriteLine($"Halo user {user}");
10        }
11    }
12    0 references
13    class program
14    {
15        0 references
16        private static void Main(string[] args)
17        {
18            HaloGeneric halo = new HaloGeneric();
19            halo.SapaUser<String>("Shodiq");
20        }
21    }
```

The second screenshot shows the same code with a breakpoint at line 14 of Program.cs. The console output is:

```
Halo user Shodiq
C:\Praktikum\KPL\tpmodul5_1302223054\bin\Debug
To automatically close the console when debugg
le when debugging stops.
Press any key to close this window . . .|
```

The first screenshot shows the code for two generic classes: `DataGeneric<T>` and `HaloGeneric`. `DataGeneric<T>` has a private field `Data`, a constructor `DataGeneric(T data)` that assigns `Data = data;`, and a method `PrintData()` that writes `"Data yang tersimpan adalah: {Data}";` to the console. `HaloGeneric` has a method `SapaUser<T>(T Dat)` that writes `"Halo user {Dat}";` to the console. The second screenshot shows the `Program` class with a `Main` method. It creates an instance of `DataGeneric<string>` with the value `"1302223054"` and calls `PrintData()`. It also creates an instance of `HaloGeneric` and calls `SapaUser<String>("Shodiq")`. The console output window on the right shows the results: `Data yang tersimpan adalah: 1302223054` and `Halo user Shodiq`.

```
Program.cs
1 using System;
2
3 3 references
4 public class DataGeneric<T>
5 {
6     private T Data;
7
8     1 reference
9     public DataGeneric(T data)
10     {
11         Data = data;
12     }
13
14     1 reference
15     public void PrintData()
16     {
17         Console.WriteLine($"Data yang tersimpan adalah: {Data}");
18     }
19
20 2 references
21 public class HaloGeneric
22 {
23     1 reference
24     public void SapaUser<T>(T Dat)
25     {
26         Console.WriteLine($"Halo user {Dat}");
27     }
28 }
29
30 0 references
31
32
33
34
35
36
37
38
```

```
tpmodul5_1302223054
16 {
17
18 2 references
19 public class HaloGeneric
20 {
21     1 reference
22     public void SapaUser<T>(T Dat)
23     {
24         Console.WriteLine($"Halo user {Dat}");
25     }
26 }
27
28 0 references
29
30
31
32
33 0 references
34
35
36
37
38
```

```
Program
1 static void Main(string[] args)
2 {
3     DataGeneric<string> dataGeneric = new DataGeneric<string>("1302223054");
4     dataGeneric.PrintData();
5
6     HaloGeneric halo = new HaloGeneric();
7     halo.SapaUser<String>("Shodiq");
8 }
9 }
```

```
Microsoft Visual Studio Debug Console
Data yang tersimpan adalah: 1302223054
Halo user Shodiq

C:\Praktikum\KPL\tpmodul5_1302223054\bin\Debug\net6.0\tpmodul5_1302223054.exe
To automatically close the console when debugging stops,
Press any key to close this window . . .
```

3. Penjelasan singkat

Kode tersebut dibuat di class dan branch yang berbeda yang kemudian disatukan dengan merge