

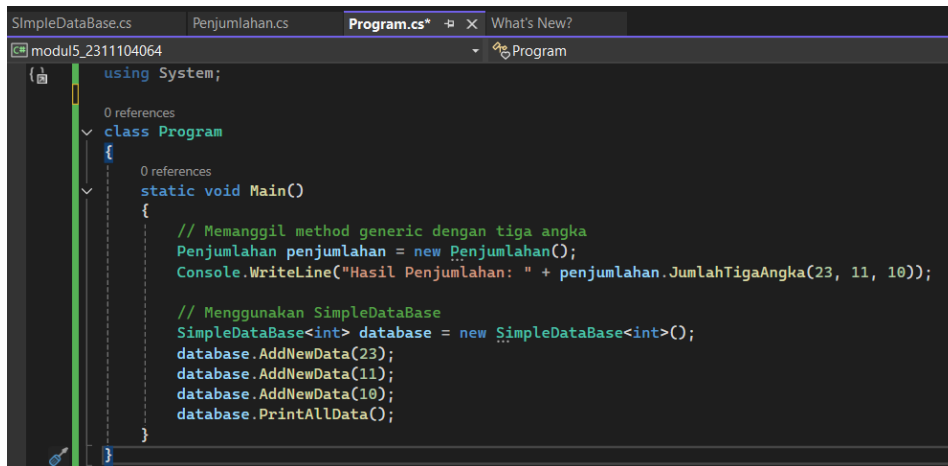
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JURNAL MOUDUL 5

1. Code program



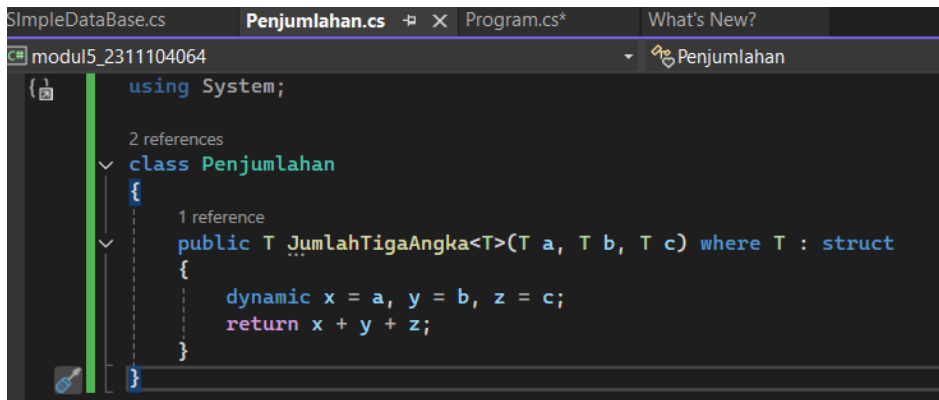
The screenshot shows the Visual Studio IDE with the 'Program.cs' file open. The code defines a 'Program' class with a 'Main' method. Inside 'Main', it creates a 'Penjumlahan' object and calls its 'JumlahTigaAngka' method with arguments 23, 11, and 10. It also creates a 'SimpleDataBase' object and calls its 'AddNewData' and 'PrintAllData' methods.

```
using System;

class Program
{
    static void Main()
    {
        // Memanggil method generic dengan tiga angka
        Penjumlahan penjumlahan = new Penjumlahan();
        Console.WriteLine("Hasil Penjumlahan: " + penjumlahan.JumlahTigaAngka(23, 11, 10));

        // Menggunakan SimpleDataBase
        SimpleDataBase<int> database = new SimpleDataBase<int>();
        database.AddNewData(23);
        database.AddNewData(11);
        database.AddNewData(10);
        database.PrintAllData();
    }
}
```

2. Code Penjumlahan

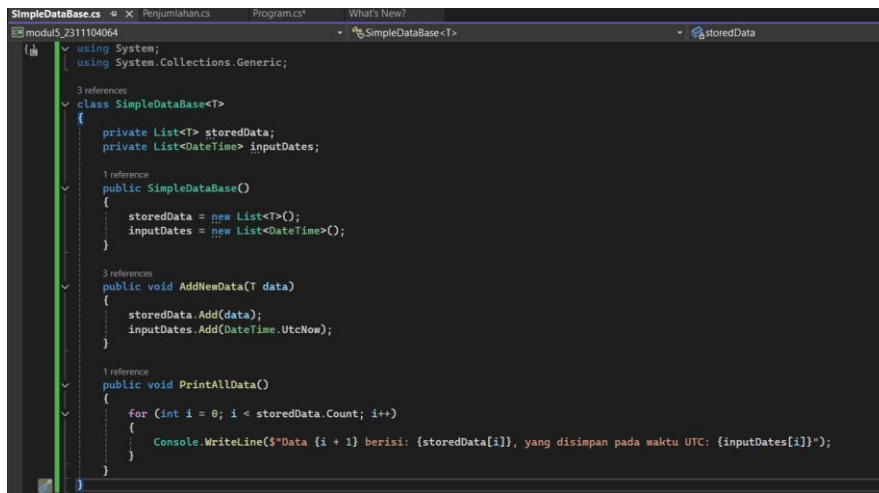


The screenshot shows the Visual Studio IDE with the 'Penjumlahan.cs' file open. The code defines a 'Penjumlahan' class with a generic method 'JumlahTigaAngka' that takes three parameters of type 'T' and returns their sum.

```
using System;

class Penjumlahan
{
    public T JumlahTigaAngka<T>(T a, T b, T c) where T : struct
    {
        dynamic x = a, y = b, z = c;
        return x + y + z;
    }
}
```

3. Code SimpleDataBase



```
using System;
using System.Collections.Generic;

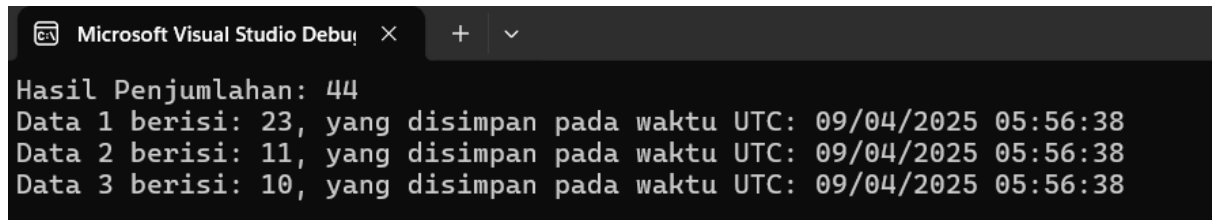
3 references
class SimpleDataBase<T>
{
    private List<T> storedData;
    private List<DateTime> inputDates;

    1 reference
    public SimpleDataBase()
    {
        storedData = new List<T>();
        inputDates = new List<DateTime>();
    }

    3 references
    public void AddNewData(T data)
    {
        storedData.Add(data);
        inputDates.Add(DateTime.UtcNow);
    }

    1 reference
    public void PrintAllData()
    {
        for (int i = 0; i < storedData.Count; i++)
        {
            Console.WriteLine($"Data {i + 1} berisi: {storedData[i]}, yang disimpan pada waktu UTC: {inputDates[i]}");
        }
    }
}
```

4. Output



```
Microsoft Visual Studio Debug Console
Hasil Penjumlahan: 44
Data 1 berisi: 23, yang disimpan pada waktu UTC: 09/04/2025 05:56:38
Data 2 berisi: 11, yang disimpan pada waktu UTC: 09/04/2025 05:56:38
Data 3 berisi: 10, yang disimpan pada waktu UTC: 09/04/2025 05:56:38
```