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Tugas: 4 Pemrograman Lanjut

Program =While Loop 01234

The screenshot shows the Visual Studio IDE with a C# console application. The code in Program.cs is as follows:

```
1 using System;
2
3 namespace MyApplication
4 {
5     class Program
6     {
7         static void Main(string[] args)
8         {
9             int i = 0;
10            while (i < 5)
11            {
12                Console.WriteLine(i);
13                i++;
14            }
15            Console.WriteLine("sahel_230204622021");
16        }
17    }
18 }
```

The Output window shows the following text:

```
0
1
2
3
4
sahel_230204622021
```

The Solution Explorer on the right shows the project structure for 'ConsoleApp3'.

Program = While Loop 56789

The screenshot shows the Visual Studio IDE with a C# console application. The code in Program.cs is as follows:

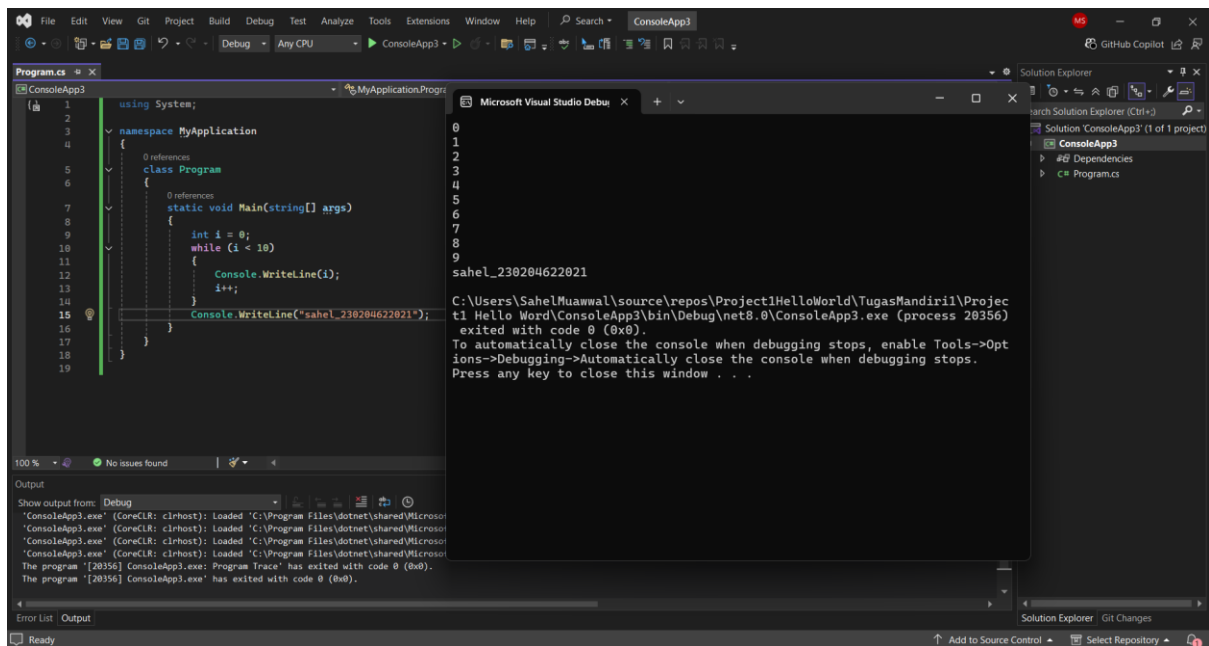
```
1 using System;
2
3 namespace MyApplication
4 {
5     class Program
6     {
7         static void Main(string[] args)
8         {
9             int i = 5;
10            while (i < 10)
11            {
12                Console.WriteLine(i);
13                i++;
14            }
15            Console.WriteLine("sahel_230204622021");
16        }
17    }
18 }
```

The Output window shows the following text:

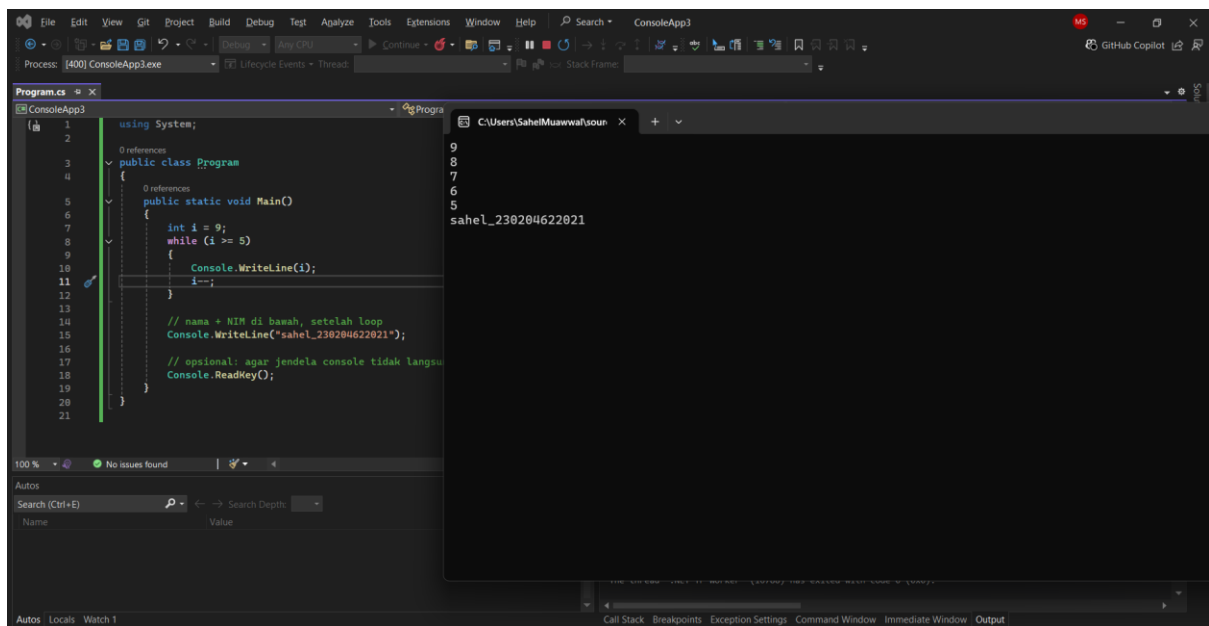
```
5
6
7
8
9
sahel_230204622021
```

The Solution Explorer on the right shows the project structure for 'ConsoleApp3'.

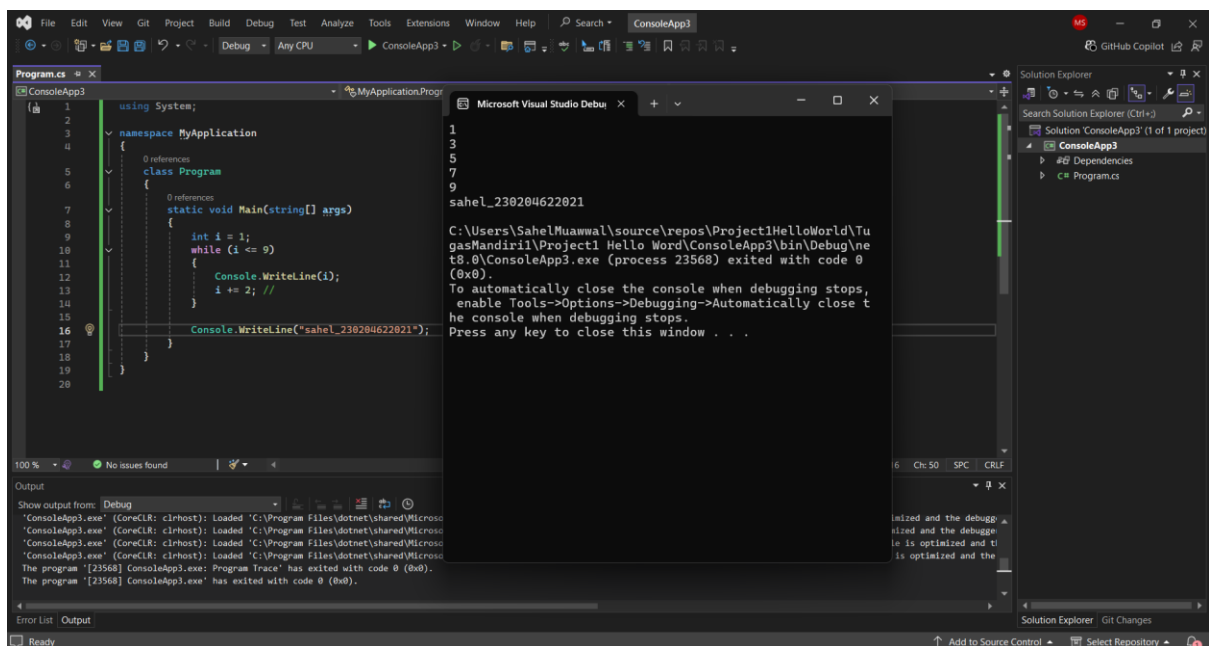
Program = While Loop 0123456789



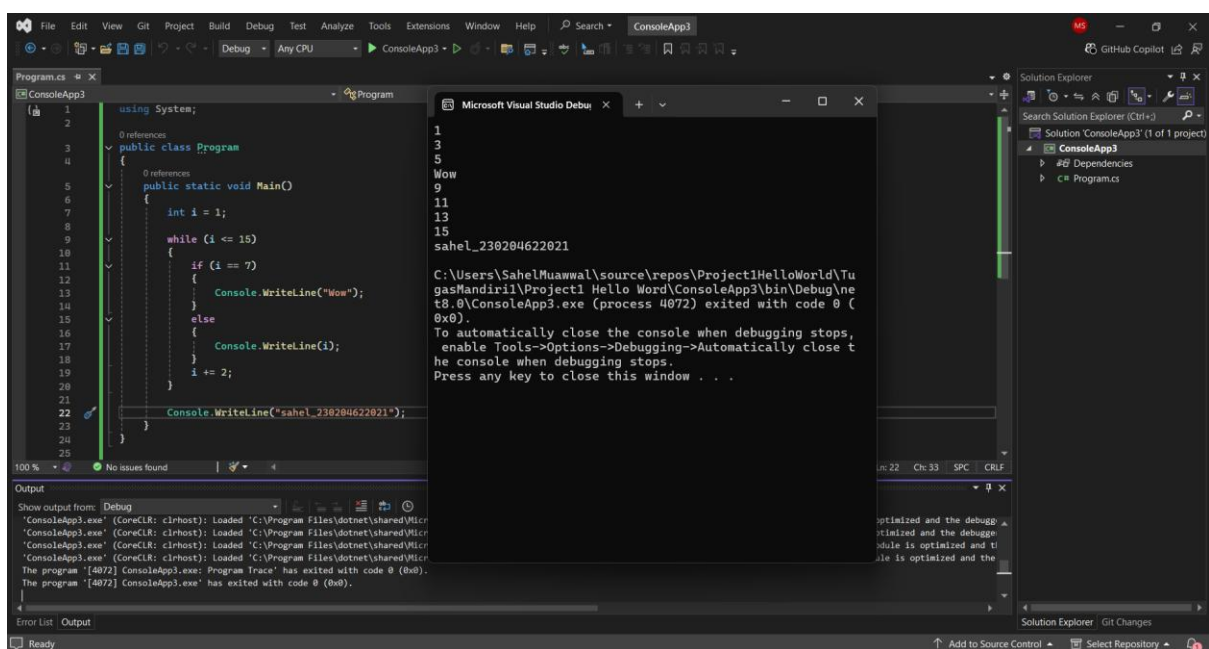
Program = While Loop 98765



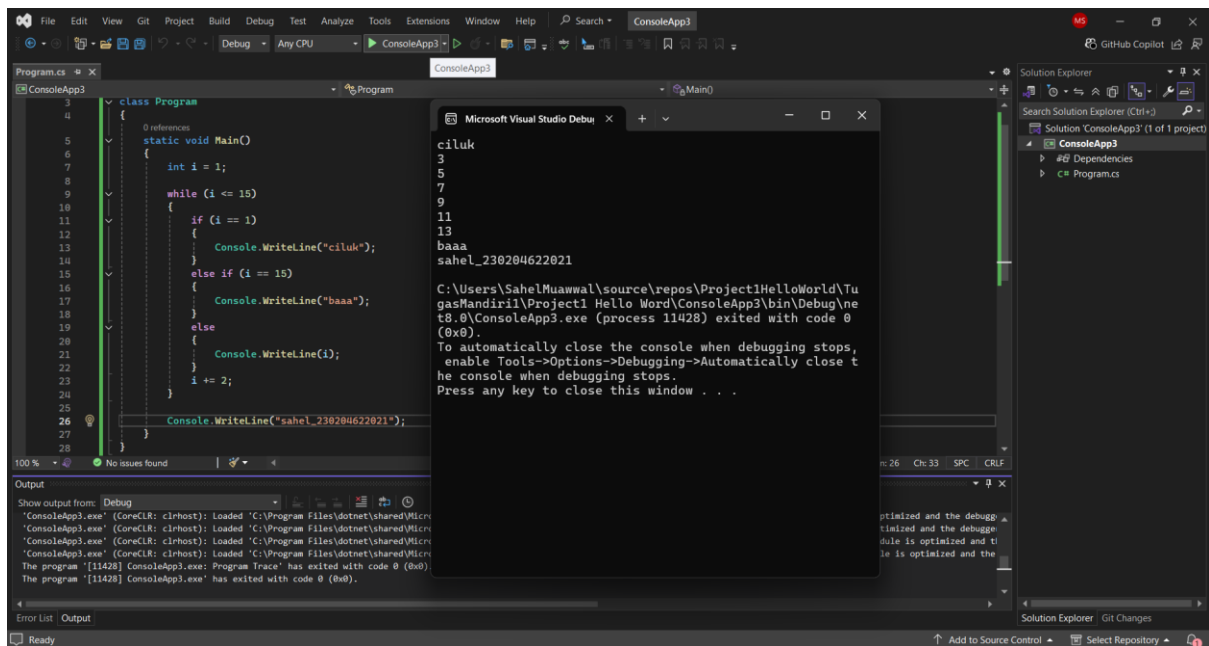
Program = While Loop 13579



Program = While Loop 135Wow9111315



Program = While Loop ciluk35791113baaa

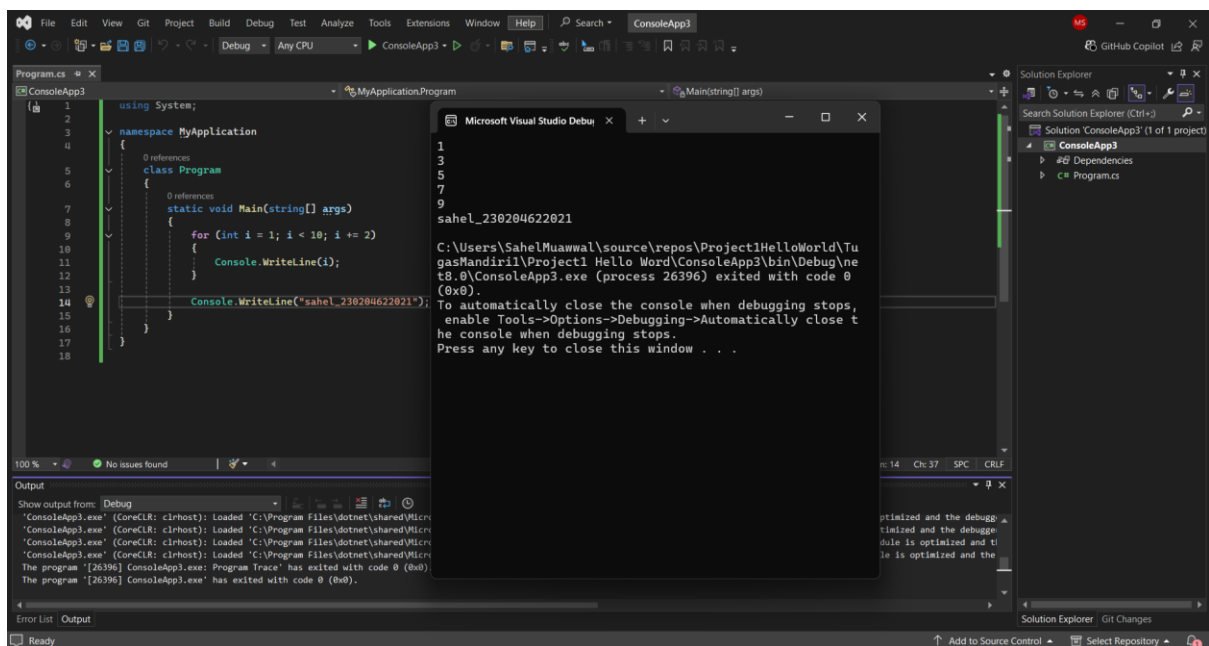


```
1 class Program
2 {
3     static void Main()
4     {
5         int i = 1;
6         while (i <= 15)
7         {
8             if (i == 1)
9             {
10                Console.WriteLine("ciluk");
11            }
12            else if (i == 15)
13            {
14                Console.WriteLine("baaa");
15            }
16            else
17            {
18                Console.WriteLine(i);
19            }
20            i += 2;
21        }
22        Console.WriteLine("sahel_230204622021");
23    }
24 }
```

Output

```
"ConsoleApp3.exe" (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.Common-Host-Configuration\Microsoft.Common-Host-Configuration.dll'.
"ConsoleApp3.exe" (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.Common-Host-Configuration\Microsoft.Common-Host-Configuration.dll'.
"ConsoleApp3.exe" (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.Common-Host-Configuration\Microsoft.Common-Host-Configuration.dll'.
The program '[11428] ConsoleApp3.exe: Program Trace' has exited with code 0 (0x0).
The program '[11428] ConsoleApp3.exe' has exited with code 0 (0x0).
```

Program = For Loop 13579

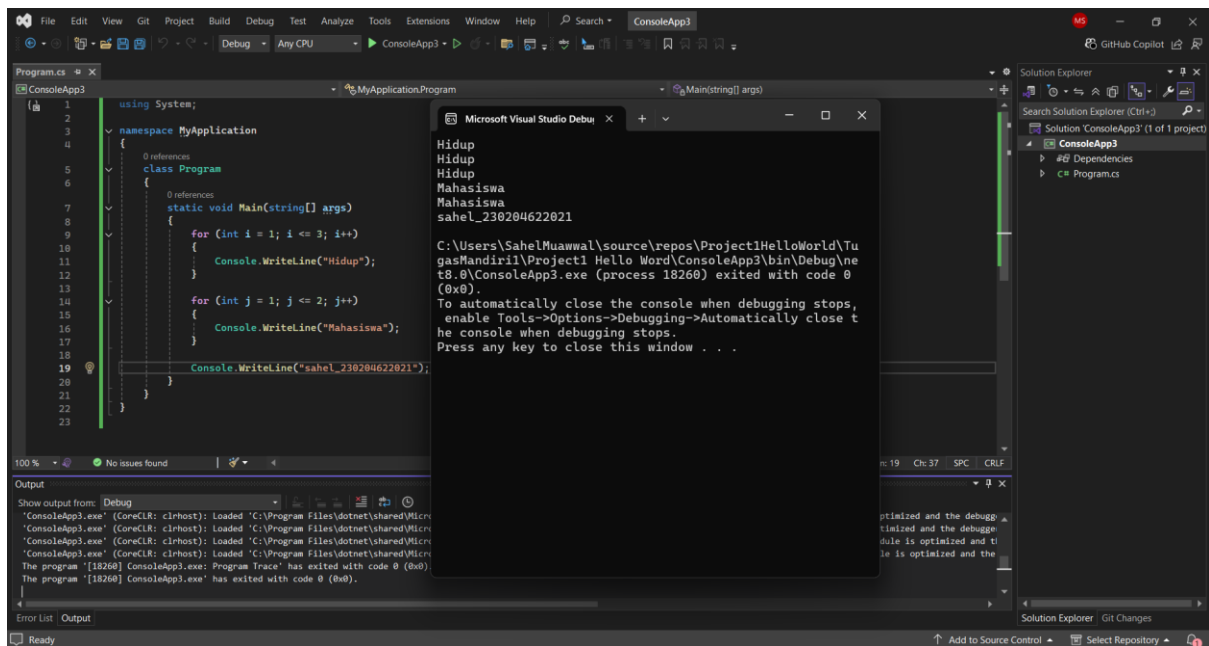


```
1 using System;
2
3 namespace MyApplication
4 {
5     class Program
6     {
7         static void Main(string[] args)
8         {
9             for (int i = 1; i < 10; i += 2)
10             {
11                 Console.WriteLine(i);
12             }
13             Console.WriteLine("sahel_230204622021");
14         }
15     }
16 }
```

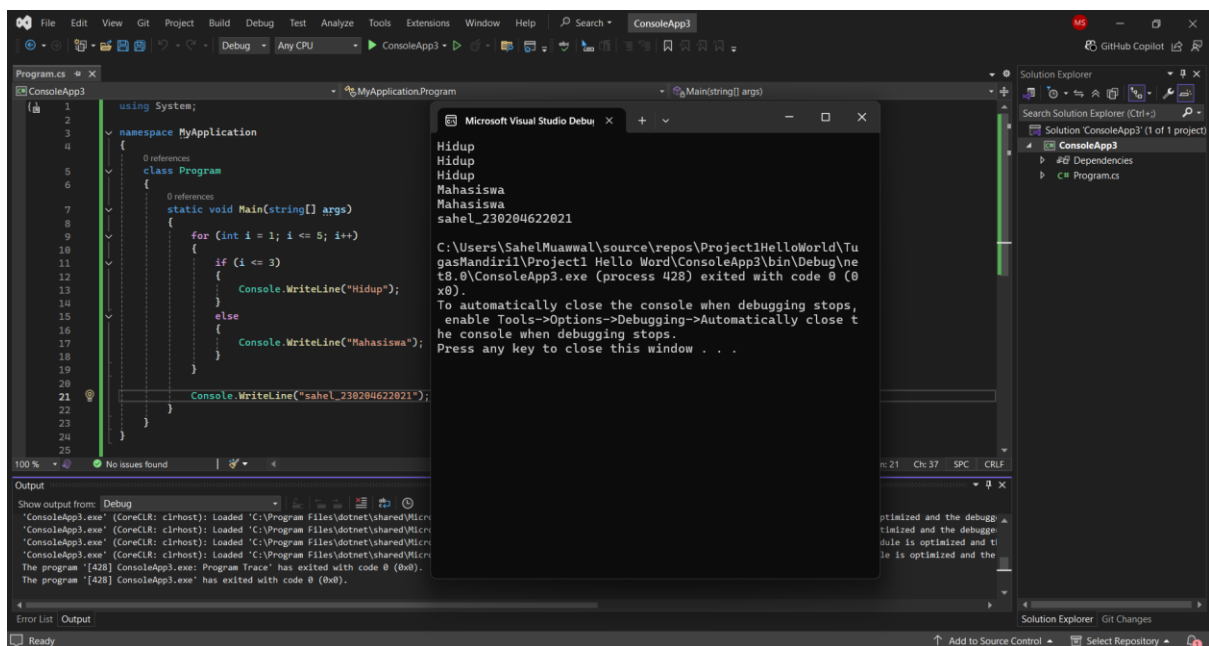
Output

```
"ConsoleApp3.exe" (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.Common-Host-Configuration\Microsoft.Common-Host-Configuration.dll'.
"ConsoleApp3.exe" (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.Common-Host-Configuration\Microsoft.Common-Host-Configuration.dll'.
"ConsoleApp3.exe" (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.Common-Host-Configuration\Microsoft.Common-Host-Configuration.dll'.
The program '[26396] ConsoleApp3.exe: Program Trace' has exited with code 0 (0x0).
The program '[26396] ConsoleApp3.exe' has exited with code 0 (0x0).
```

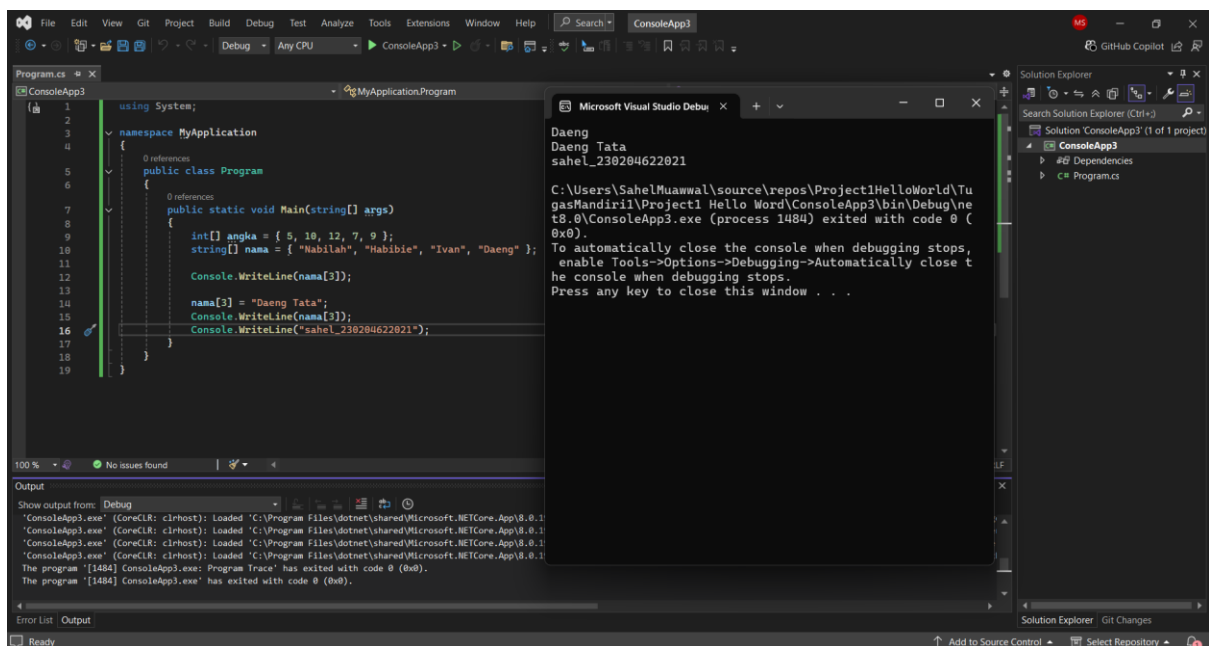
Program = For Loop Hidup 3x Mahasiswa 2x



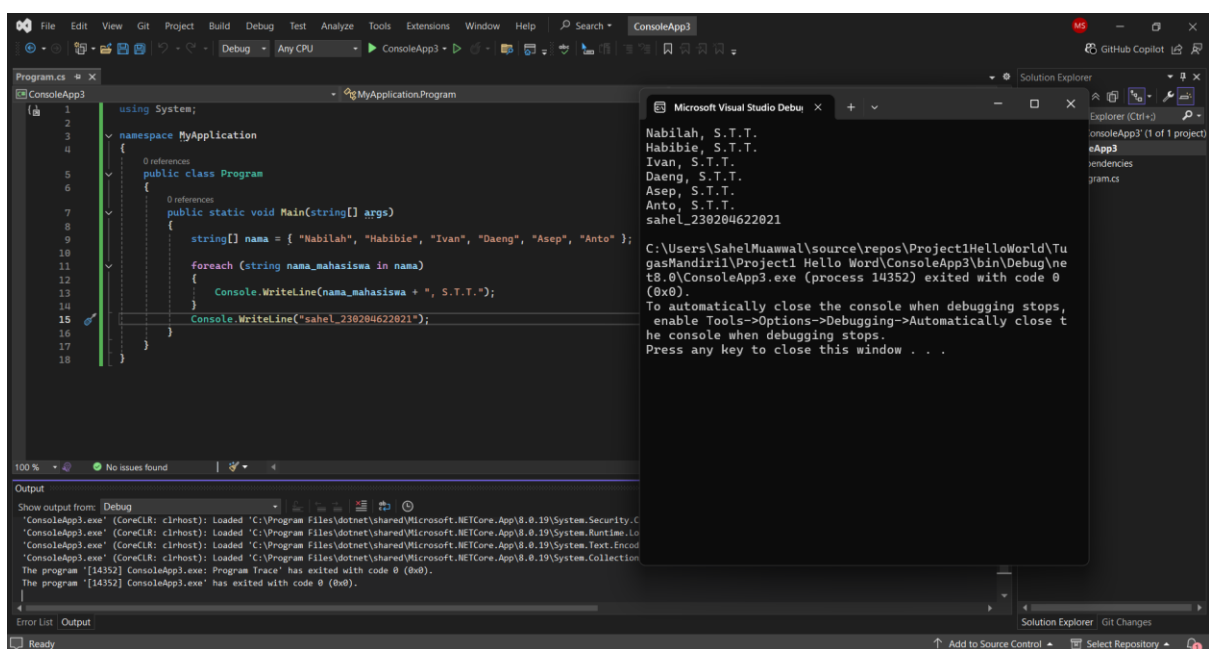
Program = For Loop Hidup 3x Mahasiswa 2x



Program = Array Daeng, Deng Tata



Program = Foreach Loop Nama dan Gelar



Program = Foreach Loop Nama dan Gelar.

The screenshot displays the Visual Studio IDE with a C# console application. The code in `Program.cs` defines a `MyApplication` namespace and a `Program` class. The `Main` method takes an array of strings `args` and processes them using a `foreach` loop. It prints each name and title from the `args` array, followed by a specific user ID.

```
1 using System;
2
3 namespace MyApplication
4 {
5     public class Program
6     {
7         public static void Main(string[] args)
8         {
9             string[] nama = { "Nabilah", "Habibie", "Ivan", "Daeng", "Asep", "Anto" };
10
11             for (int i = 0; i < nama.Length; i++)
12             {
13                 Console.WriteLine(nama[i] + ", S.T.T.");
14             }
15
16             foreach (string nama_mahasiswa in nama)
17             {
18                 Console.WriteLine(nama_mahasiswa + ", S.T.T.");
19             }
20             Console.WriteLine("muhammad sahel muawwal_230204622021");
21         }
22     }
23 }
```

The `Output` window shows the execution results, including system messages about loading .NET Core components and the program's output:

```
"ConsoleApp3.exe" (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.19\System.Security.Cla
"ConsoleApp3.exe" (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.19\System.Runtime.Loader
"ConsoleApp3.exe" (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.19\System.Text.Encoding
"ConsoleApp3.exe" (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.19\System.Collections.C
The program '[23388] ConsoleApp3.exe: Program Trace' has exited with code 0 (0x0).
The program '[23388] ConsoleApp3.exe' has exited with code 0 (0x0).
```

The `ConsoleApp3` window shows the output of the program:

```
Nabilah, S.T.T.
Habibie, S.T.T.
Ivan, S.T.T.
Daeng, S.T.T.
Asep, S.T.T.
Anto, S.T.T.
Nabilah, S.T.T.
Habibie, S.T.T.
Ivan, S.T.T.
Daeng, S.T.T.
Asep, S.T.T.
Anto, S.T.T.
muhammad sahel muawwal_230204622021
```

At the bottom, the `Ready` status bar is visible.