Swinburne University of Technology

COS20007 Object Oriented Programming

Object Oriented Hello World

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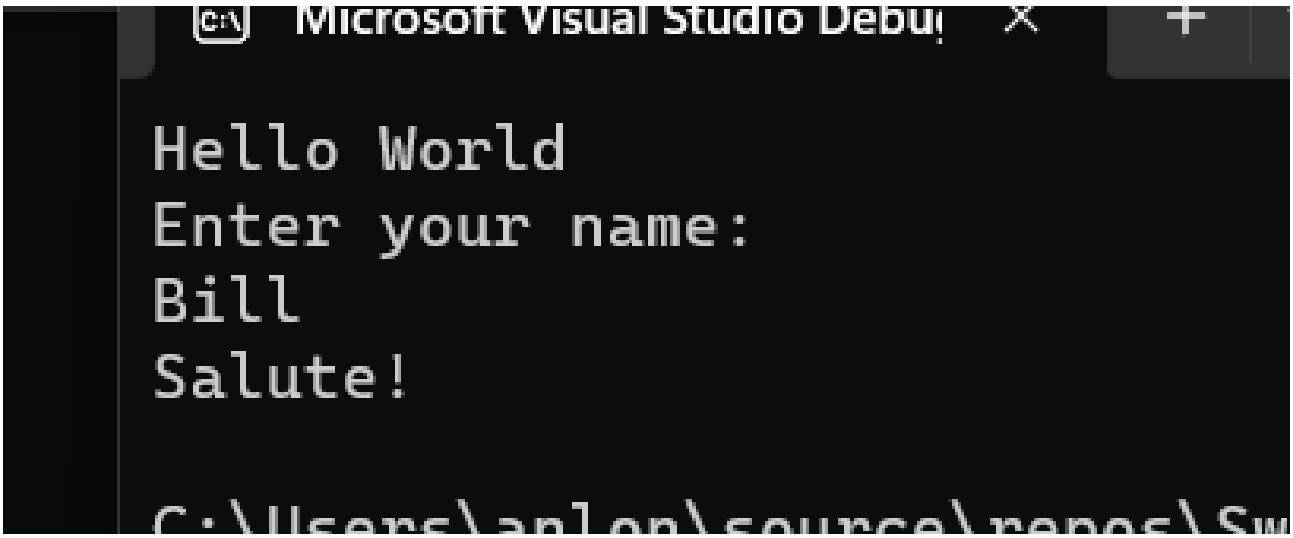
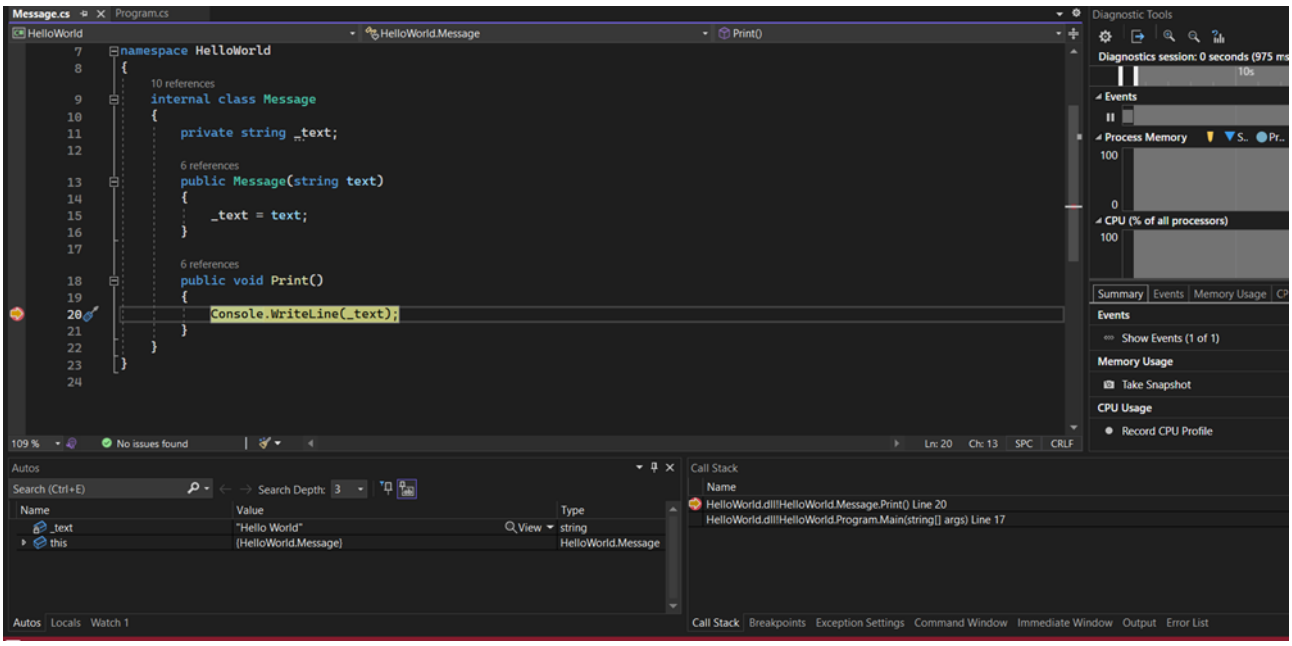
```
using System;

namespace HelloWorld
{
    internal class Program
    {
        static void Main(string[] args)
        {
            /*Message myMessage = new Message("Hello World - from Message Object");
            myMessage.Print();*/

            Message myMessage;
            Message[] messages = new Message[5];
            string name;

            myMessage = new Message("Hello World");
            myMessage.Print();

            messages[0] = new Message("Salute!");
            messages[1] = new Message("Oh hey, g'day mate.");
            messages[2] = new Message("Are you free for dinner at 6:00PM?");
            messages[3] = new Message("Cheers mate!");
            messages[4] = new Message("Good morning.");

            Console.WriteLine("Enter your name: ");
            name = Console.ReadLine();

            if (name == "Bill")
            {
                messages[0].Print();
            }
            else if (name == "Jeffery")
            {
                messages[1].Print();
            }
            else if (name == "Alice")
            {
                messages[2].Print();
            }
            else if (name == "Joshua")
            {
                messages[3].Print();
            }
            else
            {
                messages[4].Print();
            }
        }
    }
}
```

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace HelloWorld
{
    internal class Message
    {
        private string _text;

        public Message(string text)
        {
            _text = text;
        }

        public void Print()
        {
            Console.WriteLine(_text);
        }
    }
}
```


Microsoft Visual Studio Debu
Hello World
Enter your name:
Bill
Salute!


Message.cs
Program.cs
HelloWorld
HelloWorld.Message
Print()
namespace HelloWorld
{
10 references
internal class Message
{
private string _text;
6 references
public Message(string text)
{
_text = text;
}
6 references
public void Print()
{
Console.WriteLine(_text);
}
}
}
No issues found
Ln: 20 Ch: 13 SPC CRLF
Diagnostic Tools
Diagnostics session: 0 seconds
Events
Process Memory
CPU (% of all processors)
Summary
Events
Show Events (1 of 1)
Memory Usage
Take Snapshot
CPU Usage
Record CPU Profile
Autos
Search (Ctrl+E)
Search Depth: 3
Name
Value
Type
_text
"Hello World"
View
string
this
{HelloWorld.Message}
HelloWorld.Message
Autos Locals Watch 1
Call Stack
Name
HelloWorld.dll!HelloWorld.Message.Print() Line 20
HelloWorld.dll!HelloWorld.Program.Main(string[] args) Line 17
Call Stack Breakpoints Exception Settings Command Window Immediate Window Output Error List