Swinburne University of Technology

COS20007 Object Oriented Programming

Preparing for Object Oriented Programming

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Swinburne University of Technology

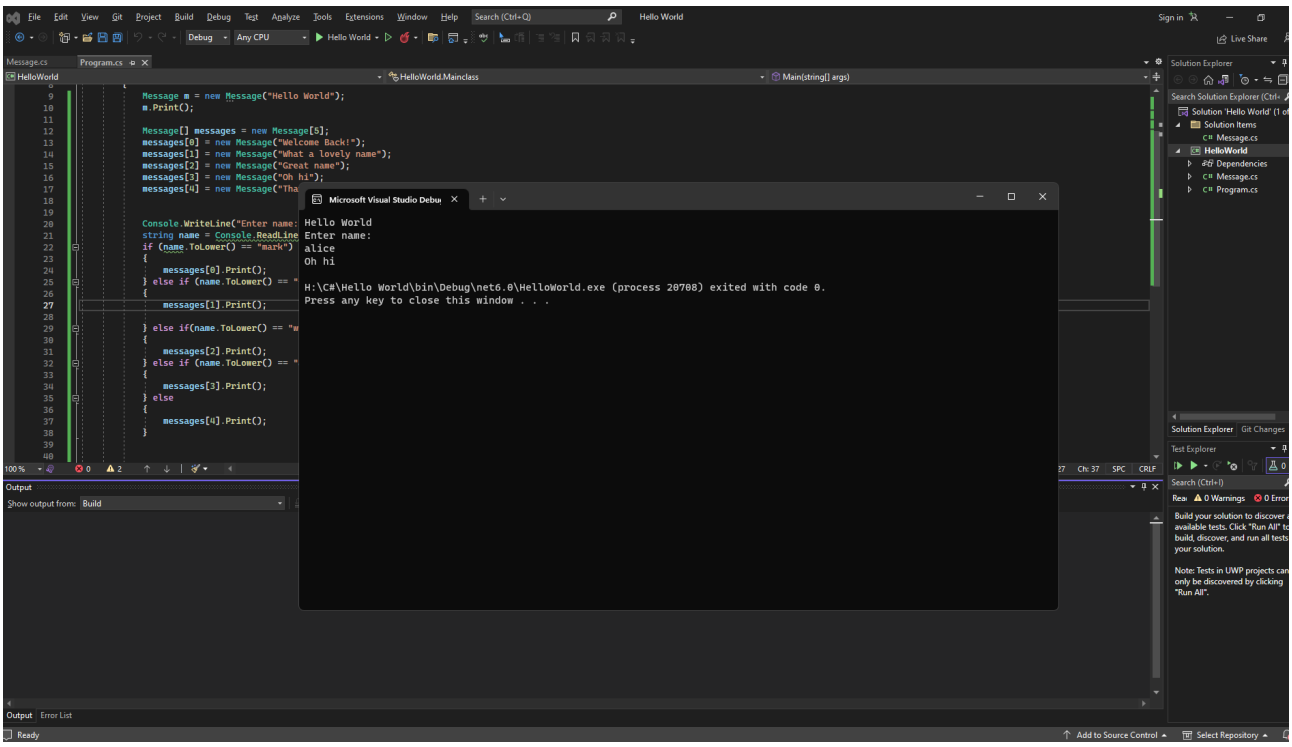
COS20007 Object Oriented Programming

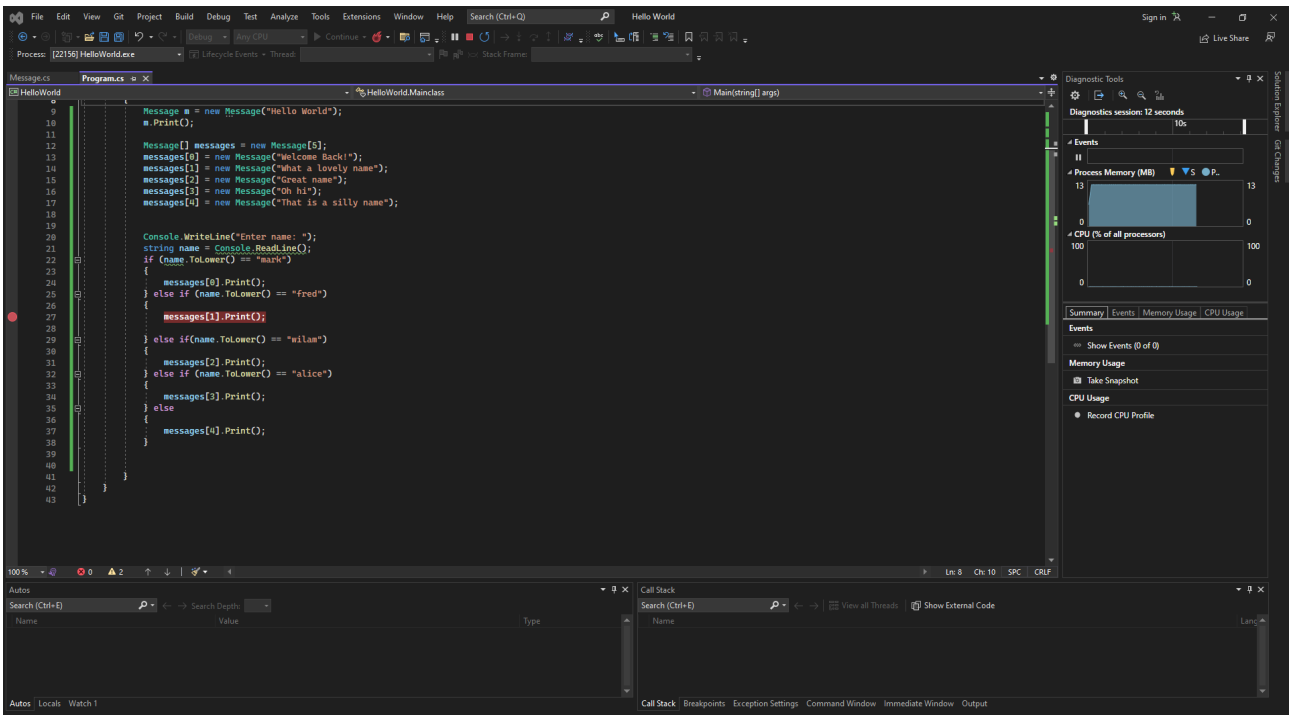
Object Oriented Hello World

PDF generated at 13:37 on Friday 11th August, 2023

```
using System;

namespace HelloWorld
{
    class Mainclass
    {
        public static void Main(string[] args)
        {
            Message m = new Message("Hello World");
            m.Print();

            Message[] messages = new Message[5];
            messages[0] = new Message("Welcome Back!");
            messages[1] = new Message("What a lovely name");
            messages[2] = new Message("Great name");
            messages[3] = new Message("Oh hi");
            messages[4] = new Message("That is a silly name");


            Console.WriteLine("Enter name: ");
            string name = Console.ReadLine();
            if (name.ToLower() == "mark")
            {
                messages[0].Print();
            } else if (name.ToLower() == "fred")
            {
                messages[1].Print();

            } else if(name.ToLower() == "wilam")
            {
                messages[2].Print();
            } else if (name.ToLower() == "alice")
            {
                messages[3].Print();
            } else
            {
                messages[4].Print();
            }


        }
    }
}
```

```
using System;

namespace HelloWorld
{
    public class  Message
    {
        private string _text;
        public Message (string text)
        {
            _text = text;
        }
        public void Print()
        {
            Console.WriteLine(_text);

        }
    }
}
```


Hello World
Enter name:
alice
Oh hi
H:\C#\Hello World\bin\Debug\net6.0\HelloWorld.exe (process 20708) exited with code 0.
Press any key to close this window . . .


File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help
Search (Ctrl+Q)
Hello World
Sign in
Live Share
Debug
Any CPU
Continue
Process: [22156] HelloWorld.exe
Lifecycle Events
Thread:
Stack Frame:
Message.cs
Program.cs
HelloWorld
HelloWorld.Mainclass
Main(string[] args)
Message m = new Message("Hello World");
m.Print();
Message[] messages = new Message[5];
messages[0] = new Message("Welcome Back!");
messages[1] = new Message("What a lovely name");
messages[2] = new Message("Great name");
messages[3] = new Message("Oh hi");
messages[4] = new Message("That is a silly name");
Console.WriteLine("Enter name: ");
string name = Console.ReadLine();
if (name.ToLower() == "mark")
{
messages[0].Print();
} else if (name.ToLower() == "fred")
{
messages[1].Print();
} else if(name.ToLower() == "wilam")
{
messages[2].Print();
} else if (name.ToLower() == "alice")
{
messages[3].Print();
} else
{
messages[4].Print();
}
100 %
Ln: 8
Ch: 10
SPC
CRLF
Diagnostic Tools
Diagnostics session: 12 seconds
Events
Process Memory (MB)
CPU (% of all processors)
Summary
Events
Memory Usage
CPU Usage
Show Events (0 of 0)
Take Snapshot
Record CPU Profile
Autos
Search (Ctrl+E)
Search Depth:
Name
Value
Type
Autos
Locals
Watch 1
Call Stack
Search (Ctrl+E)
View all Threads
Show External Code
Name
Call Stack
Breakpoints
Exception Settings
Command Window
Immediate Window
Output