## 1.2P: Object-Oriented "Hello, World!"

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Program.cs code (text version on page 3):

Message.cs code (text version on page 4):

Screenshot of output with input "Jayden":

```
Hello, World! Greetings from Message Object.
Enter name:
Jayden
Hi Jayden, how are you?

C:\COS20007\Projects\HelloWorld\HelloWorld\bin\Debug\net8.0\HelloWorld.exe (process 22432) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.

Press any key to close this window . . .
```

Screenshot of output with input "Enoch":

```
Hello, World! Greetings from Message Object.
Enter name:
Enoch
Hi Enoch, how are you?

C:\COS20007\Projects\HelloWorld\bin\Debug\net8.0\HelloWorld.exe (process 22668) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.

Press any key to close this window . . .
```

## Screenshot of output with input "Joel":

```
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Hello, World! Greetings from Message Object.

Enter name:
Joel
Hi Joel, how are you?

C:\COS200007\Projects\HelloWorld\HelloWorld\bin\Debug\net8.0\HelloWorld.exe (process 7544) exited with code 0.

To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
```

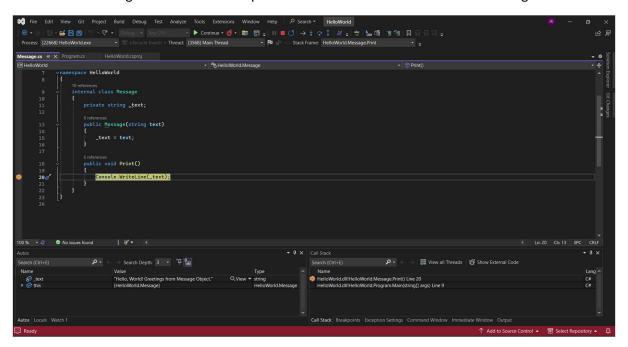
## Screenshot of output with input "Eric":

```
Hello, World! Greetings from Message Object.
Enter name:
Eric
Hi Eric, how are you?

C:\COS20007\Projects\HelloWorld\HelloWorld\bin\Debug\net8.0\HelloWorld.exe (process 3088) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
```

## Screenshot of output with input "test":

Screenshot showing call stack and code paused within the Print method of the Message class:



```
1 namespace HelloWorld
 2 {
 3
       internal class Program
 4
       {
 5
           static void Main(string[] args)
 6
 7
               Message myMessage = new Message("Hello, World! Greetings from
                 Message Object.");
 8
 9
               myMessage.Print();
10
               List<Message> messages = new List<Message>();
11
               messages.Add(new Message("Hi Jayden, how are you?"));
                                                                          //
12
                 First Greeting
                                                                          // >
               messages.Add(new Message("Hi Enoch, how are you?"));
13
                  Second Greeting
               messages.Add(new Message("Hi Joel, how are you?"));
14
                  Third Greeting
15
               messages.Add(new Message("Hi Eric, how are you?"));
                                                                          // >
                  Fourth Greeting
               messages.Add(new Message("Welcome, nice to meet you"));
16
                                                                          //
                                                                                P
                  Standard Greeting
17
               Console.WriteLine("Enter name: ");
18
               string name = Console.ReadLine();
19
20
               if (name.ToLower() == "jayden")
21
22
                   messages[0].Print();
23
24
25
               else if (name.ToLower() == "enoch")
26
                {
27
                   messages[1].Print();
28
               }
               else if (name.ToLower() == "joel")
29
30
31
                   messages[2].Print();
32
               else if (name.ToLower() == "eric")
33
34
35
                   messages[3].Print();
               }
36
37
               else
38
               ş
39
                   messages[4].Print();
40
               }
41
            }
42
       }
43 }
```

```
...ar 2\COS20007\1.2P\HelloWorld\HelloWorld\Message.cs
1 using System;
2 using System.Collections.Generic;
 3 using System.Linq;
4 using System.Text;
 5 using System.Threading.Tasks;
7 namespace HelloWorld
 8 {
9
        internal class Message
10
        {
            private string _text;
11
12
            public Message(string text)
13
14
15
                _text = text;
            }
16
17
18
            public void Print()
19
20
                Console.WriteLine(_text);
21
            }
22
        }
23 }
24
```