

COS 20007

Task 1.2

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I. Code

1. Message.cs

```
using System;
namespace _1._2
{
    internal class Message
    {
        private string _text;

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

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

2. Program.cs

```
namespace _1._2;

class Program
{
    static void Main()
    {
        Message message1 = new Message("What's up Thuan, how are you?");
        Message message2 = new Message("Hello Hieu, how's your day?");
        Message message3 = new Message("Greetings, Nam! nice to see you!");
        Message message4 = new Message("Hey Phong, good to have you here!");
        Message standardmessage = new Message("Welcome new person, nice to meet you!");

        Message[] messages = { message1, message2, message3, message4, standardmessage };

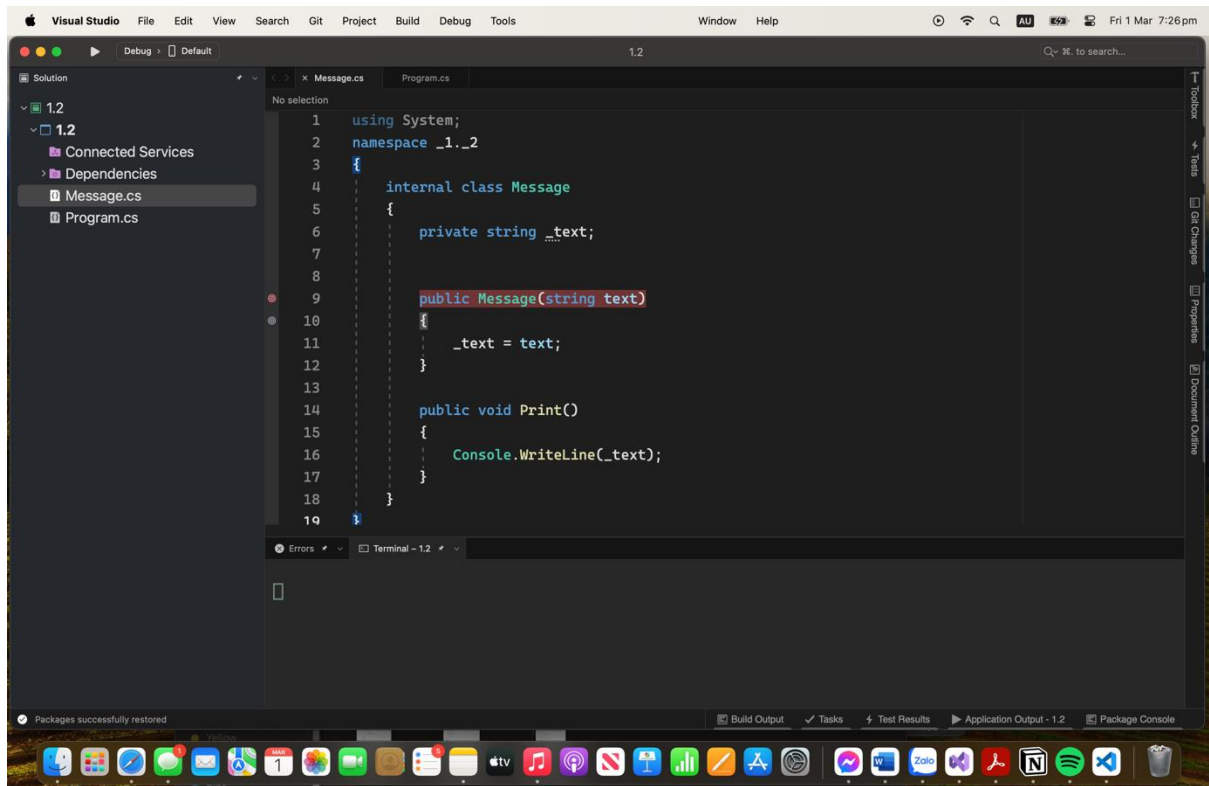
        Console.Write("Enter your name: ");
    }
}
```

```
string name = Console.ReadLine();

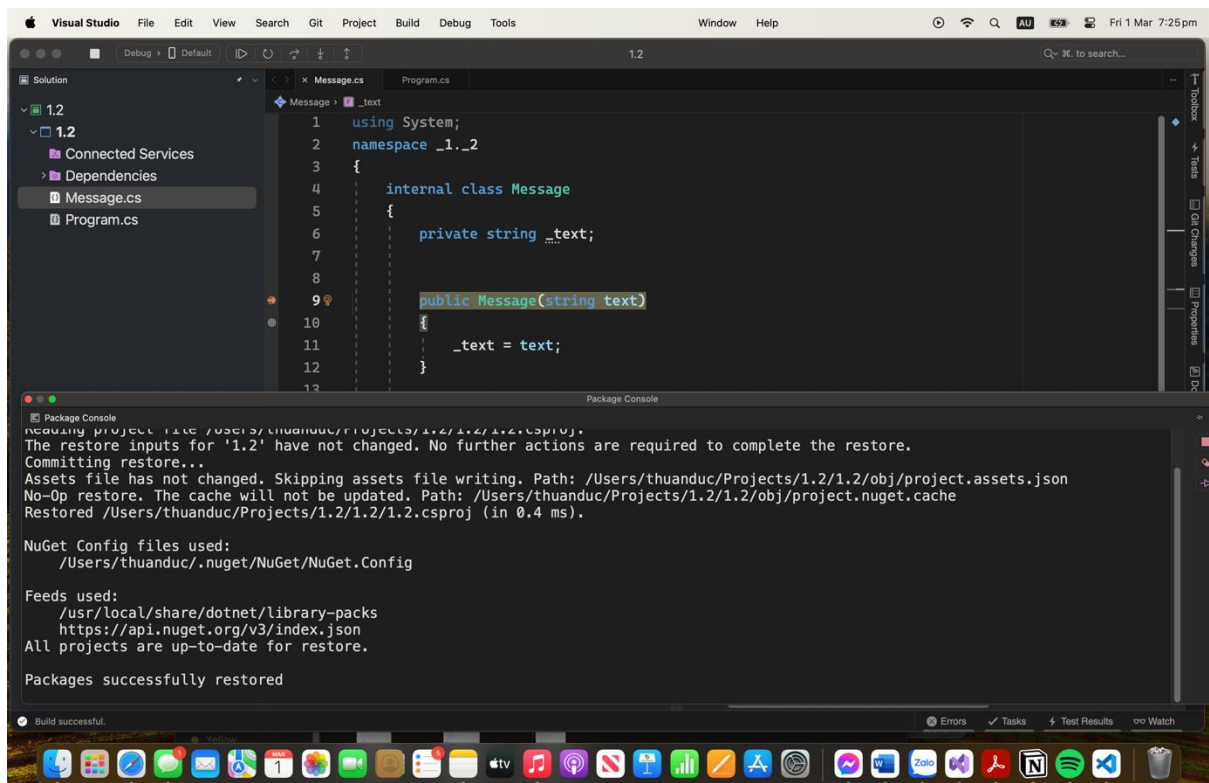
if (name == "thuan".ToLower())
{
    messages[0].Print();
}
else if (name == "hieu".ToLower())
{
    messages[1].Print();
}
else if (name == "nam".ToLower())
{
    messages[2].Print();
}
else if (name == "phong".ToLower())
{
    messages[3].Print();
}
else
{
    messages[4].Print();
}
}
```

II. Image

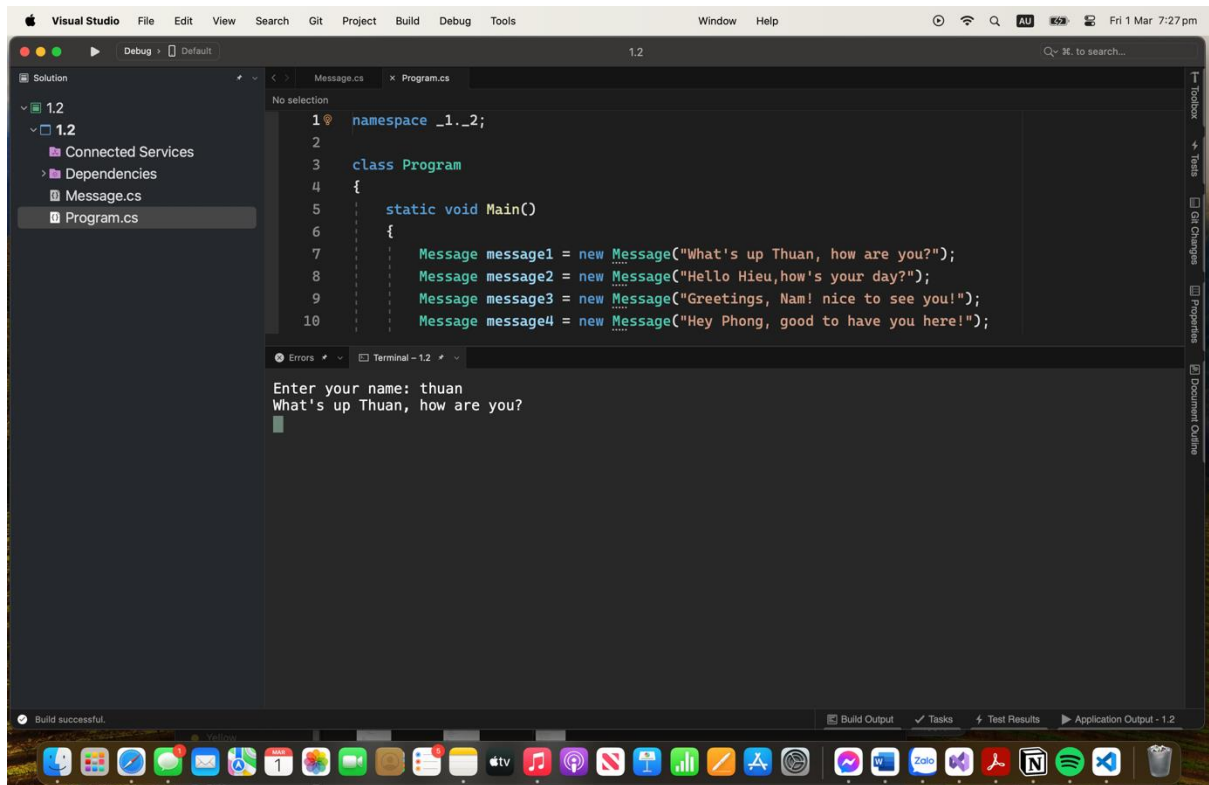
1. Breakpoint



2. Debugger



3. Program's output



The screenshot shows the Visual Studio IDE with a C# project named '1.2'. The code in 'Program.cs' defines a 'Program' class with a 'Main' method that creates four 'Message' objects. The terminal output shows the program running and prompting the user for their name, with 'thuan' entered.

```
1 namespace _1._2;
2
3 class Program
4 {
5     static void Main()
6     {
7         Message message1 = new Message("What's up Thuan, how are you?");
8         Message message2 = new Message("Hello Hieu,how's your day?");
9         Message message3 = new Message("Greetings, Nam! nice to see you!");
10        Message message4 = new Message("Hey Phong, good to have you here!");
11    }
12 }
```

Enter your name: thuan
What's up Thuan, how are you?