

Lab02 - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Debug Any CPU Start

Program.cs

Lab02 MainData.Milk MilkName

```
62 namespace MainData
63 {
64     interface InOutMilk //Nhập và xuất thông tin ra màn hình
65     {
66         void Input(string MilkName = "", string ProductionDate = "01/01/2022",
67             string ExpiredDate = "01/01/2023", int Quantity = 0);
68         void Output(string MilkName = "", string ProductionDate = "01/01/2022",
69             string ExpiredDate = "01/01/2023", int Quantity = 0);
70     }
71
72
73     [MilkMoreInfo("Sua bo", "Con bo cuoi")]
74     [MilkMoreInfo("TH True Milk", "Rony")]
75
76     class Milk: InOutMilk
77     {
78         private string MilkName = "Not Assigned";
79         private string MilkID = "MILK01012022";
80         private DateTime ProductionDate;
81         private DateTime ExpiredDate;
82         private int Quantity;
83
84         public Milk(string MilkName="Not Assigned", string ProductionDate = "01/03/2016",
85             string ExpiredDate = "01/03/2017", int Quantity = 0)
86     {
```

121 %

Output

Show output from: Debug

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC\_32\mscorlib\v4.0.4.0.0\_b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger cannot load symbols. Please use symstore or the debugger will not be able to step through this assembly.

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab02\Lab02\bin\Debug\Lab02.exe'. Symbols loaded.

The program '[14988] Lab02.exe' has exited with code -1073741510 (0xc000013a).

Error List Output

Ready Ln 72 Col 5 Ch 5 INS

Add to Source Control

A/C

ENG 8:31 AM

Lab02 - Microsoft Visual Studio

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Debug Any CPU Start

Program.cs

Lab02 MainData.Milk MilkName

```
84 public Milk(string MilkName="Not Assigned", string ProductionDate = "01/03/2016",
85             string ExpiredDate = "01/03/2017", int Quantity = 0)
86 {
87     this.MilkName = MilkName;
88     this.ProductionDate = DateTime.ParseExact(ProductionDate, "dd/MM/yyyy", CultureInfo.InvariantCulture);
89     this.ExpiredDate = DateTime.ParseExact(ExpiredDate, "dd/MM/yyyy", CultureInfo.InvariantCulture);
90     this.Quantity = Quantity;
91     this.MilkID = String.Format("MILK{0}", this.ProductionDate.ToString("ddMMyyyy"));
92 }
93
94 public string ValMilkName
95 {
96     get { return MilkName; }
97     set { MilkName = value; }
98 }
99
100 public string ValMilkID
101 {
102     get { return MilkID; }
103     set { MilkID = value; }
104 }
105
106 public string ValProductionDate
107 {
108     get { return ProductionDate.ToString("dd/MM/yyyy"); }
```

121 %

Output

Show output from: Debug

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC\_32\mscorlib\v4.0.4.0.0\_b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger cannot load symbols. Please use symstore or the debugger will not be able to step through this assembly.

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Error List Output

Ready Ln 72 Col 5 Ch 5 INS Add to Source Control

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ENG 8:31 AM

Lab02 - Microsoft Visual Studio

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Debug Any CPU Start

Program.cs

Lab02 MainData.Milk MilkName

```
106 public string ValProductionDate
107 {
108     get { return ProductionDate.ToString("dd/MM/yyyy"); }
109
110     set
111     {
112         ProductionDate = DateTime.ParseExact(value, "dd/MM/yyyy", CultureInfo.InvariantCulture);
113         MilkID = String.Format("MILK{0}", this.ProductionDate.ToString("ddMMyyyy"));
114     }
115 }
116
117 public string ValExpiredDate
118 {
119     get { return ExpiredDate.ToString("dd/MM/yyyy"); }
120     set { ExpiredDate = DateTime.ParseExact(value, "dd/MM/yyyy", CultureInfo.InvariantCulture); }
121 }
122
123 public int ValQuantity
124 {
125     get { return Quantity; }
126     set { Quantity = value; }
127 }
128
129 public void Input(string MilkName = "", string ProductionDate = "01/01/2022",
130                 string ExpiredDate = "01/01/2023", int Quantity = 0)
```

121 %

Output

Show output from: Debug

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC\_32\mscorlib\v4.0.4.0.0\_b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger cannot load symbols. Please use debug mode to get symbols. Loading symbols from 'C:\Windows\Microsoft.Net\assembly\GAC\_32\mscorlib\v4.0.4.0.0\_b77a5c561934e089\mscorlib.dll'.

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab02\Lab02\bin\Debug\Lab02.exe'. Symbols loaded.

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Error List Output

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Lab02 - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Debug Any CPU Start

Program.cs

Lab02 MainData.Milk ValQuantity

```
129 public void Input(string MilkName = "", string ProductionDate = "01/01/2022",
130                 string ExpiredDate = "01/01/2023", int Quantity = 0)
131 {
132     Console.WriteLine("\nInput Milkname: ");
133     ValMilkName = Console.ReadLine();
134     Console.WriteLine("Input ProductionDate: ");
135     ValProductionDate = Console.ReadLine();
136     Console.WriteLine("Input ExpiredDate: ");
137     ValExpiredDate = Console.ReadLine();
138     Console.WriteLine("Input Quantity: ");
139     string q = Console.ReadLine();
140     ValQuantity = int.Parse(q);
141 }
142
143 public void Output(string MilkName = "", string ProductionDate = "01/01/2022",
144                 string ExpiredDate = "01/01/2023", int Quantity = 0)
145 {
146     Console.WriteLine("\nThong tin Milk vua nhap:");
147     Console.WriteLine("\t MilkID = {0}, MilkName = {1}", ValMilkID, ValMilkName);
148     Console.WriteLine("\t ProductionDate = {0}, ExpiredDate = {1}", ValProductionDate, ValExpiredDate);
149     Console.WriteLine("\t Quantity = {0} boxes", ValQuantity);
150 }
151 }
152 }
153 }
```

121 %

Output

Show output from: Debug

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC\_32\mscorlib\v4.0.4.0.0\_b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger cannot load symbols. Please use debug mode to get symbols for this module.

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab02\Lab02\bin\Debug\Lab02.exe'. Symbols loaded.

The program '[14988] Lab02.exe' has exited with code -1073741510 (0xc000013a).

Error List Output

Ready Ln 124 Col 10 Ch 10 INS Add to Source Control

A/C

ENG 8:33 AM

Lab02 - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Debug Any CPU Start

Program.cs

Lab02 MainData.Milk ValQuantity

```
150 }
151 }
152 }
153
154 namespace Attribute
155 {
156     [AttributeUsage(AttributeTargets.All, AllowMultiple = true)]
157     public class MilkMoreInfo : System.Attribute
158     {
159         public string Manufacturer { get; set; }
160         public string CompanyName { get; set; }
161
162         public MilkMoreInfo(string Manufacturer = "", string CompanyName = "")
163         {
164             this.Manufacturer = Manufacturer;
165             this.CompanyName = CompanyName;
166         }
167     }
168 }
169
170
```

121 %

Output

Show output from: Debug

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC\_32\mscorlib\v4.0.4.0.0\_b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger cannot load symbols. Please use debug mode or symbol server to load debug symbols.

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab02\Lab02\bin\Debug\Lab02.exe'. Symbols loaded.

The program '[14988] Lab02.exe' has exited with code -1073741510 (0xc000013a).

Error List Output

Ready Ln 124 Col 10 Ch 10 INS

Add to Source Control

A/C

ENG 8:33 AM

Lab02 - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Debug Any CPU Start

Program.cs

Lab02 MilkDisplay

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6 using System.Globalization;
7 using System.Runtime.InteropServices;
8 using MainData;
9 using Attribute;
10
11 /*
12  Họ và tên: Trịnh Ngọc Hiến
13  MSSV: 19110315
14  BT: Lab02
15  */
16
17 delegate void MilkDisplay(string MilkName = "", string ProductionDate = "01/01/2022",
18     string ExpiredDate = "01/01/2023", int Quantity = 0);
19
20 namespace Lab02
21 {
22     class Program
23     {
24         static void Main(string[] args)
25         {
```

121 %

Output

Show output from: Debug

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC\_32\mscorlib\v4.0.4.0.0\_b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger cannot load symbols. Please use symstore or debugging symbols to be able to load symbols at this point.

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab02\Lab02\bin\Debug\Lab02.exe'. Symbols loaded.

The program '[14988] Lab02.exe' has exited with code -1073741510 (0xc000013a).

Error List Output

Ready Ln 10 Col 1 Ch 1 INS Add to Source Control

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ENG 8:33 AM



Lab02 - Microsoft Visual Studio

File Edit View Project Build Debug Team Tools Test Analyze Window Help

Debug Any CPU Start

Program.cs

```
24 static void Main(string[] args)
25 {
26     Milk milk = new Milk();
27     milk.ValMilkName = "Vinamilk";
28     milk.ValProductionDate = "01/03/2016";
29     milk.ValExpiredDate = "01/03/2017";
30     milk.ValQuantity = 200;
31
32     Console.WriteLine("Thong tin Milk la: ");
33     Console.WriteLine("\t MilkID = {0}, MilkName = {1}", milk.ValMilkID, milk.ValMilkName);
34     Console.WriteLine("\t ProductionDate = {0}, ExpiredDate = {1}", milk.ValProductionDate, milk.ValExpiredDate);
35     Console.WriteLine("\t Quantity = {0} boxes", milk.ValQuantity);
36
37     Type type = typeof(Milk);
38     string OutputMessage = "\nThong Tin Them Cua Milk:";
39     Console.WriteLine(OutputMessage);
40     foreach (Object attributes in type.GetCustomAttributes(false))
41     {
42         MilkMoreInfo cinfo = (MilkMoreInfo)attributes;
43         if (cinfo != null)
44         {
45             OutputMessage = String.Format("\n\t Manufacturer = {0} \n", cinfo.Manufacturer);
46             OutputMessage += String.Format("\t CompanyName = {0}", cinfo.CompanyName);
47             Console.WriteLine(OutputMessage);
48         }
49     }
50 }
```

121 %

Output

Show output from: Debug

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC\_32\mscorlib\v4.0.4.0.0\_b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger cannot load symbols. Please use symstore or the debugger will not be able to provide stack traces and symbols.

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab02\Lab02\bin\Debug\Lab02.exe'. Symbols loaded.

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Debug Any CPU Start

Program.cs

Lab02 MilkDisplay

```
36
37     Type type = typeof(Milk);
38     string OutputMessage = "\nThong Tin Them Cua Milk:";
39     Console.WriteLine(OutputMessage);
40     foreach (Object attributes in type.GetCustomAttributes(false))
41     {
42         MilkMoreInfo cinfo = (MilkMoreInfo)attributes;
43         if (cinfo != null)
44         {
45             OutputMessage = String.Format("\n\t Manufacturer = {0} \n", cinfo.Manufacturer);
46             OutputMessage += String.Format("\t CompanyName = {0}", cinfo.CompanyName);
47             Console.WriteLine(OutputMessage);
48         }
49     }
50
51     MilkDisplay action1 = new MilkDisplay(milk.Input);
52     MilkDisplay action2 = new MilkDisplay(milk.Output);
53
54     action1.Invoke();
55     action2.Invoke();
56
57     Console.ReadLine();
58
59 }
60 }
```

121 %

Output

Show output from: Debug

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC\_32\mscorlib\v4.0.4.0.0\_b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger cannot load symbols. Please use symstore or debugging symbols to resolve this.

'Lab02.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab02\Lab02\bin\Debug\Lab02.exe'. Symbols loaded.

The program '[14988] Lab02.exe' has exited with code -1073741510 (0xc000013a).

Error List Output

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ENG 8:34 AM



D:\Source code\C#\Lab02\Lab02\bin\Debug\Lab02.exe



Thong tin Milk la:

MilkID = MILK01032016, MilkName = Vinamilk  
ProductionDate = 01/03/2016, ExpiredDate = 01/03/2017  
Quantity = 200 boxes

Thong Tin Them Cua Milk:

Manufacturer = Sua bo  
CompanyName = Con bo cuoi  
  
Manufacturer = TH True Milk  
CompanyName = Rony

Input Milkname:

bavi

Input ProductionDate:

23/10/2022

Input ExpiredDate:

25/10/2023

Input Quantity:

300

Thong tin Milk vua nhap:

MilkID = MILK23102022, MilkName = bavi  
ProductionDate = 23/10/2022, ExpiredDate = 25/10/2023  
Quantity = 300 boxes