

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs* x

Lab01 HW1.Cat nameC

```
37 // Xây dựng lớp Chó
38 public class Dog
39 {
40     private string nameD = "Not Assigned";
41     private int ageD = 0;
42     private int heightD = 0;
43     private int weightD = 0;
44
45
46     public Dog(string nameD = "", int ageD=0, int heightD=0, int weightD = 0)
47     {
48         this.nameD = nameD;
49         this.ageD = ageD;
50         this.heightD = heightD;
51         this.weightD = weightD;
52     }
53
54     public void Output()
55     {
56         Console.WriteLine("\nName = {0}, \nAge = {1}, \nHeight = {2}, \nWeight = {3}", nameD, ageD, heightD, weightD);
57     }
58
59     public void TestToFa()
```

121 %

Output

Show output from: Debug

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_32\mscorlib\v4.0.0.0_b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optin

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe'. Symbols loaded.

The program '[13496] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Solution Explorer

Search Solution Explorer (Ctrl+):

Solution 'Lab01' (1 project)

Lab01

- Properties
- References
- App.config
- Program.cs

Solution Explorer Team Explorer

Properties

Ln 76 Col 25 Ch 25 INS

Add to Source Control

A/C

ENG 9:49 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW1.Dog InputAge()

```
91
92 public void InputInfo()
93 {
94     Console.WriteLine("Input Dog Name: ");
95     nameD = Console.ReadLine();
96     InputAge();
97     InputHeight();
98     InputWeight();
99 }
100
101 public void InputAge()
102 {
103     bool isCompleted = false;
104
105     Console.WriteLine("Input Dog Age: ");
106     string strAge = Console.ReadLine();
107
108     //Bắt lỗi khi nhập tuổi âm và > 20,
109     //Nhập sai kiểu(nhập thành ký tự)
110     try
111     {
112         ageD = int.Parse(strAge);
113
114         if (ageD <= 0 || ageD > 20)
```

121 %

Output

Show output from: Debug

'Lab01.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

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe'. Symbols loaded.

Exception thrown: 'System.FormatException' in mscorlib.dll

Exception thrown: 'HW1.NegativeNumException' in Lab01.exe

The program '[9544] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ready Ln 100 Col 9 Ch 9 INS

A/C

ENG 11:04 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 Lab01.Program Main(string[] args)

```
114 if (ageD <= 0 || ageD > 20)
115 {
116     throw new NegativeNumException();
117 }
118 isCompleted = true;
119 }
120 catch (FormatException)
121 {
122     Console.WriteLine("Input Wrong of Age! Please Reinput a number: ");
123 }
124 catch (NegativeNumException)
125 {
126     Console.WriteLine("This is wrong of Age. Please Reinput a number: ");
127 }
128 }
129 finally
130 {
131     if (!isCompleted)
132     {
133         InputAge();
134     }
135 }
136 }
137 }
```

121 %

Output

Show output from: Debug

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_32\mscorlib\v4.0.0.0__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.

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Exception thrown: 'HW1.NegativeNumException' in Lab01.exe

The program '[9544] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Item(s) Saved

Ln 16 Col 23 Ch 23 INS

Add to Source Control

A/C

ENG 11:05 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 Lab01.Program Main(string[] args)

```
139 public void InputHeight()
140 {
141     bool isCompleted = false;
142
143     Console.WriteLine("Input Dog Height: ");
144     string strHeight = Console.ReadLine();
145
146     // Bắt lỗi khi nhập số âm và chuỗi ký tự cho Height
147     try
148     {
149         heightD = int.Parse(strHeight);
150
151         if (heightD <= 0)
152         {
153             throw new NegativeNumException();
154         }
155         isCompleted = true;
156     }
157     catch (FormatException)
158     {
159         Console.WriteLine("Input wrong of Height! Please Reinput a number: ");
160     }
161     catch (NegativeNumException)
162     {
163     }
```

121 %

Output

Show output from: Debug

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_32\mscorlib\v4.0.0.0__b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger cannot load symbols. Please use debug mode or a symbol server to debug this exception.

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The program '[9544] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ready Ln 16 Col 23 Ch 23 INS

A/C

ENG 11:06 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 Lab01.Program Main(string[] args)

```
161 catch (NegativeNumException)
162 {
163     Console.WriteLine("This is wrong of Height. Please Reinput a number: ");
164 }
165 finally
166 {
167     if (!isCompleted)
168     {
169         InputHeight();
170     }
171 }
172 }
173
174 public void InputWeight()
175 {
176     bool isCompleted = false;
177
178     Console.WriteLine("Input Dog Weight: ");
179     string strWeight = Console.ReadLine();
180
181     // Bắt lỗi khi nhập số âm và chuỗi ký tự cho Weight
182     try
183     {
184         weightD = int.Parse(strWeight);
```

121 %

Output

Show output from: Debug

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_32\mscorlib\v4.0.0.0__b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger

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Exception thrown: 'HW1.NegativeNumException' in Lab01.exe

The program '[9544] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ready Ln 16 Col 23 Ch 23 INS

A/C

ENG 11:06 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 Lab01.Program Main(string[] args)

```
186 if (weightD <= 0)
187 {
188     throw new NegativeNumException();
189 }
190 isCompleted = true;
191 }
192 catch (FormatException)
193 {
194     Console.WriteLine("Input wrong of Weight! Please Reinput a number: ");
195 }
196 catch (NegativeNumException)
197 {
198     Console.WriteLine("This is wrong of Weight. Please Reinput a number: ");
199 }
200 }
201 finally
202 {
203     if (!isCompleted)
204     {
205         InputWeight();
206     }
207 }
208 }
209 }
```

121 %

Output

Show output from: Debug

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_32\mscorlib\v4.0.0.0__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.

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Ready Ln 16 Col 23 Ch 23 INS

Add to Source Control

A/C

ENG 11:07 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 Lab01.Program Main(string[] args)

```
// Xây dựng lớp Mèo
public class Cat
{
    private string nameC = "Not Assigned";
    private int ageC = 0;
    private int heightC = 0;
    private int weightC = 0;

    public Cat(string nameC = "", int ageC = 0, int heightC = 0, int weightC = 0)
    {
        this.nameC = nameC;
        this.ageC = ageC;
        this.heightC = heightC;
        this.weightC = weightC;
    }

    public void Output()
    {
        Console.WriteLine("\nName = {0}, \nAge = {1}, \nHeight = {2}, \nWeight = {3}", nameC, ageC, heightC, weightC);
    }

    public void InputInfo()
    {
    }
}
```

121 %

Output

Show output from: Debug

'Lab01.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.

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe'. Symbols loaded.

Exception thrown: 'System.FormatException' in mscorlib.dll

Exception thrown: 'HW1.NegativeNumException' in Lab01.exe

The program '[9544] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ln 16 Col 23 Ch 23 INS

Add to Source Control

A/C

ENG 11:07 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW1.Cat InputAge()

```
234 public void InputInfo()
235 {
236     Console.WriteLine("Input Cat Name: ");
237     nameC = Console.ReadLine();
238     InputAge();
239     InputHeight();
240     InputWeight();
241 }
242
243 public void InputAge()
244 {
245     bool isCompleted = false;
246
247     Console.WriteLine("Input Cat Age: ");
248     string strAge = Console.ReadLine();
249
250     //Bắt lỗi khi nhập tuổi âm và > 20,
251     //Nhập sai kiểu(nhập thành ký tự)
252     try
253     {
254         ageC = int.Parse(strAge);
255
256         if (ageC <= 0 || ageC > 20)
257         {
```

121 %

Output

Show output from: Debug

'Lab01.exe' (CLR v4.0.30319; DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_32\mscorlib\v4.0.0.0__b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger

'Lab01.exe' (CLR v4.0.30319; DefaultDomain): Loaded 'D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe'. Symbols loaded.

The program '[5360] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ready Ln 242 Col 9 Ch 9 INS

A/C

ENG 11:09 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW1.Cat InputAge()

```
256     if (ageC <= 0 || ageC > 20)
257     {
258         throw new NegativeNumException();
259     }
260     isCompleted = true;
261 }
262 catch (FormatException)
263 {
264     Console.WriteLine("Input Wrong of Age! Please Reinput a number: ");
265 }
266
267 catch (NegativeNumException)
268 {
269     Console.WriteLine("This is wrong of Age. Please Reinput a number: ");
270 }
271
272 finally
273 {
274     if (!isCompleted)
275     {
276         InputAge();
277     }
278 }
279 }
```

121 %

Output

Show output from: Debug

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_32\mscorlib\v4.0.0.0__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.

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe'. Symbols loaded.

The program '[5360] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ready Ln 242 Col 9 Ch 9 INS

Add to Source Control

A/C

ENG 11:10 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW1.Cat InputAge()

```
281 public void InputHeight()
282 {
283     bool isCompleted = false;
284
285     Console.WriteLine("Input Cat Height: ");
286     string strHeight = Console.ReadLine();
287
288     // Bắt lỗi khi nhập số âm và chuỗi ký tự cho Height
289     try
290     {
291         heightC = int.Parse(strHeight);
292
293         if (heightC <= 0)
294         {
295             throw new NegativeNumException();
296         }
297         isCompleted = true;
298     }
299     catch (FormatException)
300     {
301         Console.WriteLine("Input wrong of Height! Please Reinput a number: ");
302     }
303     catch (NegativeNumException)
304     {
305     }
```

121 %

Output

Show output from: Debug

'Lab01.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...

'Lab01.exe' (CLR v4.0.30319; DefaultDomain): Loaded 'D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe'. Symbols loaded.

The program '[5360] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ready Ln 242 Col 9 Ch 9 INS

Add to Source Control

A/C

ENG 11:10 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW1.Cat InputAge()

```
303 catch (NegativeNumException)
304 {
305     Console.WriteLine("This is wrong of Height. Please Reinput a number: ");
306 }
307 finally
308 {
309     if (!isCompleted)
310     {
311         InputHeight();
312     }
313 }
314 }
315
316 public void InputWeight()
317 {
318     bool isCompleted = false;
319
320     Console.WriteLine("Input Cat Weight: ");
321     string strWeight = Console.ReadLine();
322
323     // Bắt lỗi khi nhập số âm và chuỗi ký tự cho Weight
324     try
325     {
326         weightC = int.Parse(strWeight);
```

121 %

Output

Show output from: Debug

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'C:\Windows\Microsoft.Net\assembly\GAC_32\mscorlib\v4.0.0.0__b77a5c561934e089\mscorlib.dll'. Skipped loading symbols. Module is optimized and the debugger

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The program '[5360] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ln 242 Col 9 Ch 9 INS

Add to Source Control

A/C

ENG 11:10 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW1.Cat InputAge()

```
324 try
325 {
326     weightC = int.Parse(strWeight);
327
328     if (weightC <= 0)
329     {
330         throw new NegativeNumException();
331     }
332     isCompleted = true;
333 }
334 catch (FormatException)
335 {
336     Console.WriteLine("Input wrong of Weight! Please Reinput a number: ");
337 }
338 catch (NegativeNumException)
339 {
340     Console.WriteLine("This is wrong of Weight. Please Reinput a number: ");
341 }
342 }
343 finally
344 {
345     if (!isCompleted)
346     {
347
```

121 %

Output

Show output from: Debug

'Lab01.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

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The program '[5360] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ready Ln 242 Col 9 Ch 9 INS

Add to Source Control

A/C

ENG 11:11 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW1.Cat InputAge()

```
339         catch (NegativeNumException)
340         {
341             Console.WriteLine("This is wrong of Weight. Please Reinput a number: ");
342         }
343     }
344     finally
345     {
346         if (!isCompleted)
347         {
348             InputWeight();
349         }
350     }
351 }
352
353
354 public class NegativeNumException : Exception
355 {
356     public NegativeNumException() { }
357     public NegativeNumException(string message) : base(message) { }
358 }
359
360
361
362
```

121 %

Output

Show output from: Debug

'Lab01.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.

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The program '[5360] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ln 242 Col 9 Ch 9 INS

Ready

A/C

ENG 11:11 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW1.Cat InputAge()

```
12 static void Main(string[] args)
13 {
14     //Câu 1: Tạo danh sách gồm 3 chó và 2 mèo:
15     int nD = 3;
16     int nC = 2;
17
18     Dog d;
19     Cat c;
20
21     object[] obj = new object[nD + nC];
22
23     for(int i=0; i<nD; i++)
24     {
25         d = new Dog();
26         d.InputInfo();
27         obj[i] = (Dog)d;
28     }
29
30     for(int i=0; i<nC; i++)
31     {
32         c = new Cat();
33         c.InputInfo();
34         obj[nD + i] = (Cat)c;
35     }
```

121 %

Output

Show output from: Debug

'Lab01.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.

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Ready Ln 242 Col 9 Ch 9 INS

A/C

ENG 11:11 AM

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW1.Cat InputAge()

```
36
37
38     for(int i = 0; i< nD + nC; i++)
39     {
40         if(obj[i].GetType() == typeof(Dog))
41         {
42             Console.WriteLine("\nInformation of Dog: ");
43             d = (Dog)obj[i];
44             d.Output();
45         }
46         else
47         {
48             Console.WriteLine("\nInformation of Cat: ");
49             c = (Cat)obj[i];
50             c.Output();
51         }
52     }
53
54     Console.ReadLine();
55
56 }
57
58
59
```

121 %

Output

Show output from: Debug

'Lab01.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 a symbol server to debug this exception.

'Lab01.exe' (CLR v4.0.30319: DefaultDomain): Loaded 'D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe'. Symbols loaded.

The program '[5360] Lab01.exe' has exited with code -1073741510 (0xc000013a).

Ln 242 Col 9 Ch 9 INS

Add to Source Control

A/C

ENG 11:12 AM

Lab01 (Running) - Microsoft Visual Studio

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

Process: [11276] Lab01.exe

Debug Any CPU Continue

Application Insights

Quick Launch (Ctrl+Q)

Sign in

D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe

Program.cs Lab01

```
36
37
38 for(int
39 {
40     if(c
41     {
42         Input Dog Name: b
43         Input Dog Age: 12
44         Input Dog Height: 21
45         Input Dog Weight: 31
46     }
47     Input Dog Name: c
48     Input Dog Age: 12
49     Input Dog Height: 21
50     Input Dog Weight: 32
51     Input Cat Name: d
52     Input Cat Age: d
53     {
54         Input Wrong of Age! Please Reinput a number: Input Cat Age: -2
55         This is wrong of Age. Please Reinput a number: Input Cat Age: 2
56         Input Cat Height: d
57         Input wrong of Height! Please Reinput a number: Input Cat Height: 3
58         Input Cat Weight: 41
59         Input Cat Name: e
60         Input Cat Age: 12
61         Input Cat Height: 22
62         Input Cat Weight: 32
63     }
64 }
65 Console.Information of Dog:
66 Name = a,
```

Diagnostic Tools

Diagnostics session: 1:27 minutes

1:20min 1:30min

Events

Process Memory (MB)

CPU (% of all processors)

Summary Events Memory Usage CPU Usage

Events

Show Events (0 of 0)

Memory Usage

Take Snapshot

CPU Usage

Record CPU Profile

Autos

Name	Value	Type

Error List

Entire Solution 0 Errors 0 Warnings 0 Messages Build + IntelliSense Search Error L

Code	Description	Project	File	Line	Suppression St...
------	-------------	---------	------	------	-------------------

Call Stack Breakpoints Exception Settings Command Window Immediate Window Output Error List

Ready Ln 242 Col 9 Ch 9 INS

Add to Source Control

A/C

ENG 11:13 AM

Lab01 (Running) - Microsoft Visual Studio

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

Process: [11276] Lab01.exe

Debug Any CPU Continue

Application Insights

Sign in

Quick Launch (Ctrl+Q)

D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe

Program.cs

Lab01

```
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
```

Information of Dog:

Name = a,
Age = 2,
Height = 2,
Weight = 3

for(int

{

if(c

{

Information of Dog:

Name = b,
Age = 12,
Height = 21,
Weight = 31

Information of Dog:

else

{

Name = c,
Age = 12,
Height = 21,
Weight = 32

Information of Cat:

Name = d,
Age = 2,
Height = 3,
Weight = 41

Console.

Information of Cat:

121 %

Autos

Name	Value	Type

Autos Locals Watch 1

Error List

Entire Solution 0 Errors 0 Warnings 0 Messages Build + IntelliSense Search Error L

Code	Description	Project	File	Line	Suppression St...
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Call Stack Breakpoints Exception Settings Command Window Immediate Window Output Error List

Ready Ln 242 Col 9 Ch 9 INS Add to Source Control

A/C

ENG 11:14 AM

Diagnostics session: 1:44 minutes

1:40min

Events

Process Memory (MB)

CPU (% of all processors)

Summary Events Memory Usage CPU Usage

Events

Show Events (0 of 0)

Memory Usage

Take Snapshot

CPU Usage

Record CPU Profile

Lab01 (Running) - Microsoft Visual Studio

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

Process: [11276] Lab01.exe

Debug Any CPU Continue

Application Insights

Sign in

Quick Launch (Ctrl+Q)

D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe

Program.cs

Lab01

```
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
```

Information of Dog:

```
for(int i = 0; i < 3; i++)
{
    if (i % 2 == 0)
    {
        Name = b,
        Age = 12,
        Height = 21,
        Weight = 31
        Information of Dog:
        Name = c,
        Age = 12,
        Height = 21,
        Weight = 32
    }
    else
    {
        Information of Cat:
        Name = d,
        Age = 2,
        Height = 3,
        Weight = 41
    }
    Information of Cat:
    Name = e,
    Age = 12,
    Height = 22,
    Weight = 32
}
```

Console

121 %

Autos

Name	Value	Type

Error List

Entire Solution 0 Errors 0 Warnings 0 Messages Build + IntelliSense Search Error List

Code	Description	Project	File	Line	Suppression St...
------	-------------	---------	------	------	-------------------

Call Stack Breakpoints Exception Settings Command Window Immediate Window Output Error List

Ready Ln 242 Col 9 Ch 9 INS Add to Source Control

A/C ENG 11:14 AM

Diagnostics session: 2:13 minutes

2:10min

Events

Process Memory (MB)

CPU (% of all processors)

Summary Events Memory Usage CPU Usage

Events

Show Events (0 of 0)

Memory Usage

Take Snapshot

CPU Usage

Record CPU Profile

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW2.Sport nhap()

```
423 namespace HW2
424 {
425     class Sport
426     {
427         //Khai báo các thuộc tính cần thiết
428         protected string monTheThao;
429         protected string time;
430         protected int soluong;
431         protected string loaibong;
432         protected string diadiem;
433
434         //Phương thức đa hình về số lượng khán giả
435         public virtual void soluongKhanGia()
436         {
437             Console.WriteLine("Audience: 0");
438         }
439
440         public void nhap()
441         {
442             Console.Write("Input sport: ");
443             monTheThao = Console.ReadLine();
444             Console.Write("Input location: ");
445             diadiem = Console.ReadLine();
446             Console.Write("Input ball: ");
447             loaibong = Console.ReadLine();
448             Console.Write("Input time: ");
449             time = Console.ReadLine();
450             Console.Write("Input numbers of people in teams: ");
451             string strSL = Console.ReadLine();
452             soluong = int.Parse(strSL);
453         }
454     }
455 }
```

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Ln 439 Col 9 Ch 9 INS

Ready

A/C

ENG 6:13 PM

Solution 'Lab01'

- Lab01
 - Properties
 - References
 - App.xaml
 - Program.cs

Diagnostic Tools

Solut... Team...

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Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW2.Sport nhap()

```
455 public void xuat()
456 {
457     Console.WriteLine("Sport = {0}, \nLocation = {1}, \nBall = {2}, \nTime = {3}, \nPeople = {4}.", monTheThao, diadiem, loaibong, time
458     soluongKhanGia());
459 }
460
461
462 class Football : Sport
463 {
464     public Football()
465     {
466         monTheThao = "Football";
467         diadiem = "Ngoai Troi";
468         loaibong = "Bong da";
469         time = "90 minutes";
470         soluong = 22;
471     }
472
473
474     public void nhap()
475     {
476         Console.WriteLine("Input info about Football:");
477         base.nhap();
478     }
479
480     public void xuat()
481     {
482         Console.WriteLine("\nInfo of Football:");
483         base.xuat();
484     }
485
486     //Phương thức đa hình về số lượng khán giả
```

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Ln 439 Col 9 Ch 9 INS

Ready

A/C

ENG 6:13 PM

Solution Explorer

Lab01

Properties

Team Explorer

Diagnostic Tools

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW2.Sport nhap()

```
486 //Phương thức đa hình về số lượng khán giả
487 public override void soluongKhanGia()
488 {
489     Console.WriteLine("Audience: 500000");
490 }
491
492
493 }
494
495 class Tennis: Sport
496 {
497
498     public Tennis()
499     {
500         monTheThao = "Tennis";
501         diadiem = "Ngoai troi";
502         loaibong = "Bong tennis";
503         time = "3 sets";
504         soluong = 2;
505     }
506
507     public void nhap()
508     {
509         Console.WriteLine("Input info about Tennis:");
510         base.nhap();
511     }
512
513     public void xuat()
514     {
515         Console.WriteLine("\nInfo of Tennis:");
516         base.xuat();
517     }
518 }
```

121 %

Ln 439 Col 9 Ch 9 INS

Ready

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ENG 6:14 PM

Solution 'Lab01'

- Lab01
 - Properties
 - References
 - App.xaml
 - C# Program

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW2.Sport nhap()

```
519 public override void soluongKhanGia()
520 {
521     Console.WriteLine("Audience: 300000");
522 }
523
524
525 class Volleyball: Sport
526 {
527     public Volleyball()
528     {
529         monTheThao = "Volleyball";
530         diadiem = "Trong nha";
531         loaibong = "Bong chuyen";
532         time = "3 sets";
533         soluong = 12;
534     }
535
536     public void nhap()
537     {
538         Console.WriteLine("Input info about Volleyball:");
539         base.nhap();
540     }
541
542     public void xuat()
543     {
544         Console.WriteLine("\nInfo of Volleyball:");
545         base.xuat();
546     }
547
548     //Phương thức đa hình về số lượng khán giả
549     public override void soluongKhanGia()
550 {
```

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Ready

A/C

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Solution Explorer

Lab01

Properties

References

App.xaml

Program.cs

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW2.Sport nhap()

```
525 class Volleyball: Sport
526 {
527     public Volleyball()
528     {
529         monTheThao = "Volleyball";
530         diadiem = "Trong nha";
531         loaibong = "Bong chuyen";
532         time = "3 sets";
533         soluong = 12;
534     }
535
536     public void nhap()
537     {
538         Console.WriteLine("Input info about Volleyball:");
539         base.nhap();
540     }
541
542     public void xuat()
543     {
544         Console.WriteLine("\nInfo of Volleyball:");
545         base.xuat();
546     }
547
548     //Phương thức đa hình về số lượng khán giả
549     public override void soluongKhanGia()
550     {
551         Console.WriteLine("Audience: 200000");
552     }
553 }
554
555
556
```

121 %

Ln 439 Col 9 Ch 9 INS

Ready

A/C

ENG 6:14 PM

Solution 'Lab01'

- Lab01
 - Properties
 - References
 - App.x
 - Program

Diagnostic Tools

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW2.Sport nhap()

```
56 //Bài 2:
57 //Khai báo danh sách các môn thể thao
58 int nF = 1;
59 int nT = 1;
60 int nV = 1;
61
62 Football f = new Football();
63 Tennis t = new Tennis();
64 Volleyball v = new Volleyball();
65
66 object[] obj1 = new object[nF];
67 object[] obj2 = new object[nT];
68 object[] obj3 = new object[nV];
69
70 //Nhập danh sách các môn thể thao
71 for(int i = 0; i < nF; i++)
72 {
73     f = new Football();
74     f.nhap();
75     obj1[i] = (Football)f;
76 }
77
78 for (int i = 0; i < nT; i++)
79 {
80     t = new Tennis();
81     t.nhap();
82     obj2[i] = (Tennis)t;
83 }
84
85 for (int i = 0; i < nV; i++)
86 {
87     v = new Volleyball();
```

121 %

Ln 439 Col 9 Ch 9 INS

Ready

Add to Source Control

A/C

ENG 6:16 PM

Solution 'Lab01'

- Lab01
 - Properties
 - References
 - App.xaml
 - Program.cs

Lab01 - Microsoft Visual Studio

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

Debug Any CPU Start

Program.cs

Lab01 HW2.Sport nhap()

```
85 for (int i = 0; i < nV; i++)
86 {
87     v = new Volleyball();
88     v.nhap();
89     obj3[i] = (Volleyball)v;
90 }
91
92
93 //Xuất danh sách các môn thể thao
94 for (int i = 0; i < nF; i++)
95 {
96     f = (Football)obj1[i];
97     f.xuat();
98 }
99
100 for (int i = 0; i < nT; i++)
101 {
102     t = (Tennis)obj2[i];
103     t.xuat();
104 }
105
106 for (int i = 0; i < nV; i++)
107 {
108     v = (Volleyball)obj3[i];
109     v.xuat();
110 }
111
112 Console.ReadLine();
113 }
114 }
115 }
116 }
```

121 %

Ln 439 Col 9 Ch 9 INS

Ready

A/C

ENG 6:16 PM

Solution 'Lab01'

- Lab01
 - Properties
 - References
 - App.xaml
 - C# Program

D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe

```
Input info about Football:
Input sport: Bong da
Input location: Phu Tho
Input ball: Banh bong da
Input time: 90 phut
Input numbers of people in teams: 22
Input info about Tennis:
Input sport: Quan vot
Input location: Ngoai troi
Input ball: Bong tennis
Input time: 3 sets
Input numbers of people in teams: 2
Input info about Volleyball:
Input sport: Bong chuyen
Input location: Trong nha
Input ball: Banh bong chuyen
Input time: 3 sets
Input numbers of people in teams: 12
```

```
Info of Football:
Sport = Bong da,
Location = Phu Tho,
Ball = Banh bong da,
Time = 90 phut,
People = 22.
Audience: 500000
```

```
Info of Tennis:
Sport = Quan vot,
Location = Ngoai troi,
```

D:\Source code\C#\Lab01\Lab01\bin\Debug\Lab01.exe

Info of Football:

Sport = Bong da,
Location = Phu Tho,
Ball = Banh bong da,
Time = 90 phut,
People = 22.
Audience: 500000

Info of Tennis:

Sport = Quan vot,
Location = Ngoai troi,
Ball = Bong tennis,
Time = 3 sets,
People = 2.
Audience: 300000

Info of Volleyball:

Sport = Bong chuyen,
Location = Trong nha,
Ball = Banh bong chuyen,
Time = 3 sets,
People = 12.
Audience: 200000