

1 System.Collections.IEnumerable Interface

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```
4 [ILASM]  
5 .class interface public abstract IEnumerable  
6 [C#]  
7 public interface IEnumerable
```

8 Assembly Info:

- 9 • Name: mscorlib
- 10 • Public Key: [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 11 • Version: 1.0.x.x
- 12 • Attributes:
 - 13 ○ CLSCompliantAttribute(true)

14 Summary

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16 Implemented by classes that support a simple iteration over instances
17 of the class.

18 **Library:** BCL

19

20 Description

21 [Note: **System.Collections.IEnumerable** contains the
22 **System.Collections.IEnumerable.GetEnumerator** method. The
23 consumer of an object should call this method to obtain an enumerator
24 for simple iteration over an instance of a collection.

25

26 Implement this interface to support the **foreach** semantics of C#.]

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1 I Enumerable.GetEnumerator() Method

```
2 [ILASM]  
3 .method public hidebysig virtual abstract class  
4 System.Collections.IEnumerator GetEnumerator()  
5 [C#]  
6 IEnumerator GetEnumerator()
```

7 Summary

8 Returns a **System.Collections.IEnumerator** that can be used for
9 simple iteration over a collection.

10 Return Value

11

12 A **System.Collections.IEnumerator** that can be used for simple
13 iteration over a collection.

14 Behaviors

15 As described above.

16 Usage

17 For a detailed description regarding the use of an enumerator, see
18 **System.Collections.IEnumerator**.

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