

# 1 System.Collections.IEnumerable Interface

```
2 [ILAsm]  
3 .class interface public abstract IEnumerable  
4 [C#]  
5 public interface IEnumerable
```

## 6 Assembly Info:

- 7 • *Name:* mscorlib
- 8 • *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- 9 • *Version:* 2.0.x.x
- 10 • *Attributes:*
  - 11 ○ CLSCompliantAttribute(true)

## 12 Summary

13 Implemented by classes that support a simple iteration over instances of the collection.

14 **Library:** BCL

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## 16 Description

17 [*Note:* System.Collections.IEnumerable contains the  
18 System.Collections.IEnumerable.GetEnumerator method. The consumer of an object  
19 should call this method to obtain an enumerator for simple iteration over an instance of  
20 a collection.

21  
22 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 simple iteration over  
9 a collection.

## 10 Return Value

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

## 13 Behaviors

14 As described above.

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## 16 Usage

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

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