

System.Collections.IEnumerable Interface

```
[ILASM]
.class interface public abstract IEnumerable

[C#]
public interface IEnumerable
```

Assembly Info:

- *Name:* mscorlib
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- *Version:* 1.0.x.x
- *Attributes:*
 - CLSCompliantAttribute(true)

Summary

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

Library: BCL

Description

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

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

1 **IEnumerable.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**.

19