

# LinkedList<T>.AddLast Method

Namespace: [System.Collections.Generic](#)

Assemblies: System.Collections.dll, System.dll, netstandard.dll

Adds a new node or value at the end of the [LinkedList<T>](#).

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## Overloads

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[AddLast\(LinkedListNode<T>\)](#)

Adds the specified new node at the end of the [LinkedList<T>](#).

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[AddLast\(T\)](#)

Adds a new node containing the specified value at the end of the [LinkedList<T>](#).

## AddLast(LinkedListNode<T>)

Adds the specified new node at the end of the [LinkedList<T>](#).

C#



```
public void AddLast (System.Collections.Generic.LinkedListNode<T> node);
```

## Parameters

**node** [LinkedListNode<T>](#)

The new [LinkedListNode<T>](#) to add at the end of the [LinkedList<T>](#).

## Exceptions

[ArgumentNullException](#)

node is null.

[InvalidOperationException](#)

node belongs to another [LinkedList<T>](#).

## Examples

For an example that includes this method, see the [LinkedList<T>](#) class.

## Remarks

[LinkedList<T>](#) accepts null as a valid [Value](#) for reference types and allows duplicate values.

If the [LinkedList<T>](#) is empty, the new node becomes the [First](#) and the [Last](#).

This method is an O(1) operation.

## See also

- [AddAfter](#)
- [AddBefore](#)
- [AddFirst](#)
- [RemoveLast\(\)](#)

## AddLast(T)

Adds a new node containing the specified value at the end of the [LinkedList<T>](#).

C#

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```
public System.Collections.Generic.LinkedListNode<T> AddLast (T value);
```

### Parameters

**value**   T

The value to add at the end of the [LinkedList<T>](#).

### Returns

[LinkedListNode<T>](#)

The new [LinkedListNode<T>](#) containing value.

### Examples

For an example that includes this method, see the [LinkedList<T>](#) class.

### Remarks

[LinkedList<T>](#) accepts `null` as a valid [Value](#) for reference types and allows duplicate values.

If the [LinkedList<T>](#) is empty, the new node becomes the [First](#) and the [Last](#).

This method is an O(1) operation.

## See also

- [AddAfter](#)
- [AddBefore](#)
- [AddFirst](#)
- [RemoveLast\(\)](#)

## Applies to

### .NET Core

3.0, 2.2, 2.1, 2.0, 1.1, 1.0

### .NET Framework

4.8, 4.7.2, 4.7.1, 4.7, 4.6.2, 4.6.1, 4.6, 4.5.2, 4.5.1, 4.5, 4.0, 3.5, 3.0, 2.0

### .NET Standard

2.1, 2.0, 1.6, 1.4, 1.3, 1.2, 1.1, 1.0

### UWP

10.0

## Xamarin.Android

7.1

## Xamarin.iOS

10.8

## Xamarin.Mac

3.0

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 Yes  No

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