

# LinkedList<T>.Remove Method

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

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

Removes the first occurrence of a node or value from the [LinkedList<T>](#).

## In this article

[Definition](#)

[Overloads](#)

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

[Remove\(T\)](#)

[Applies to](#)

## Overloads

---

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

Removes the specified node from the [LinkedList<T>](#).

---

[Remove\(T\)](#)

Removes the first occurrence of the specified value from the [LinkedList<T>](#).

## Remove(LinkedListNode<T>)

Removes the specified node from the [LinkedList<T>](#).

C#



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

## Parameters

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

The [LinkedListNode<T>](#) to remove from the [LinkedList<T>](#).

## Exceptions

### [ArgumentNullException](#)

node is null.

### [InvalidOperationException](#)

node is not in the current [LinkedList<T>](#).

## Examples

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

## Remarks

This method is an O(1) operation.

## See also

- [RemoveFirst\(\)](#)
- [RemoveLast\(\)](#)
- [Clear\(\)](#)

- [AddBefore](#)
- [AddAfter](#)
- [AddFirst](#)
- [AddLast](#)

## Remove(T)

Removes the first occurrence of the specified value from the [LinkedList<T>](#).

C#

 Copy

```
public bool Remove (T value);
```

### Parameters

**value** T

The value to remove from the [LinkedList<T>](#).

### Returns

[Boolean](#)

true if the element containing `value` is successfully removed; otherwise, false. This method also returns false if `value` was not found in the original [LinkedList<T>](#).

### Implements

[Remove\(T\)](#)

## Examples

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

## Remarks

This method performs a linear search; therefore, this method is an  $O(n)$  operation, where  $n$  is [Count](#).

## See also

- [RemoveFirst\(\)](#)
- [RemoveLast\(\)](#)
- [Clear\(\)](#)
- [AddBefore](#)
- [AddAfter](#)
- [AddFirst](#)
- [AddLast](#)

## 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

---

Is this page helpful?

 Yes  No

---