LinkedList<T>.AddFirst Method

Namespace: System.Collections.Generic

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

Adds a new node or value at the start of the LinkedList<T>.
In this article

Overloads

AddFirst(LinkedListNode<T>)	Adds the specified new node at the start of the LinkedList<T>.
AddFirst(T)	Adds a new node containing the specified value at the start of the LinkedList<T>.

AddFirst(LinkedListNode<T>)

Adds the specified new node at the start of the LinkedList<T>.

C#	🗐 Copy

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

Parameters

node   LinkedListNode<T>

The new LinkedListNode<T> to add at the start 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
- AddLast
- RemoveFirst()

AddFirst(T)

Adds a new node containing the specified value at the start of the LinkedList<T>.

C#	🗐 Copy

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

Parameters

value   T

The value to add at the start 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

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This method is an O(1) operation.

See also

- AddAfter
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- AddLast
- RemoveFirst()

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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