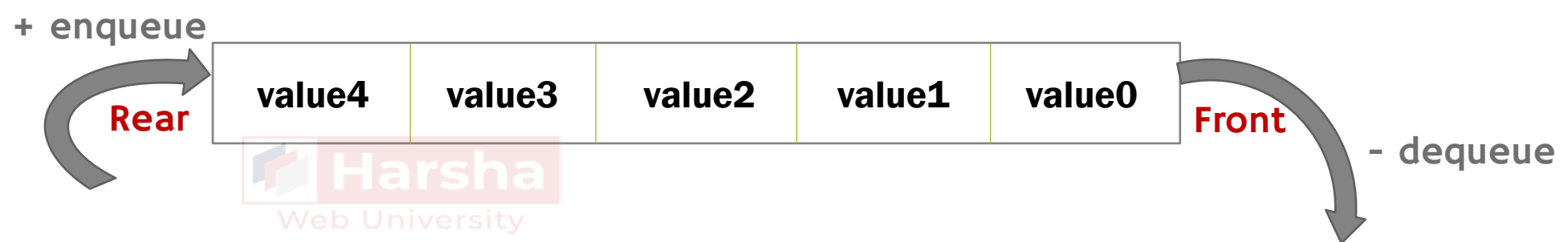


Queue

- › Queue collection contains a group of elements based on FIFO (First-In-First-Out) based collection.
- › Full Path: `System.Collections.Generic.Queue`
- › It stores the elements in front-to-rear approach.
 - › Firstly added item at front.
 - › Lastly added item at rear.



'Queue' collection

```
Queue<T> referenceVariable = new Queue<T>( );
```



- › It is based on FIFO (First-In-First-Out).
- › The "Queue" class is a generic class.
- › You can't access elements based on index.
- › You can add elements using 'Enqueue' method; remove elements using 'Dequeue' method; access last element using 'Peek' method.
- › It is not index-based. You need to access elements by either using Dequeue, Peek or foreach loop.

Properties

> Count : Returns count of elements.

Methods

- > void Enqueue(T) : Adds an element at the top of the queue.
- > T Dequeue() : Removes and returns the element at top of queue.
- > T Peek() : Returns the element at the top of the queue.
- > bool Contains(T) : Determines whether the specified element exists.
- > T[] ToArray() : Converts the queue as an array.
- > void Clear() : Removes all elements.