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| **COLLECTIONS** | | | |
|  | ArrayList | Stack | Queue |
| Creation | ArrayList() –  Initializes a new instance of the ArrayList class that is empty and has the default initial capacity. | Stack () –  Initializes a new instance of the stack class that is empty and has the default initial capacity. | Queue() –  Initializes a new instance of the Queue class that is empty, has the default initial capacity, and uses the default growth factor. |
| Deletion | Remove(Object) –  Removes the first occurrence of a specific object from the ArrayList. | Pop () –  Removes and returns the object at the top of the stack. | Dequeue() –  Removes and returns the object at the beginning of the Queue. |
| Updating | Add(Object) –  Adds an object to the end of the ArrayList. | Push (Object) –  Inserts an object at the top of the stack. | Enqueue(Object)-  Adds an object to the end of the Queue. |
| Read | Count –  Gets the number of elements actually contained in the ArrayList. | Count –  Gets the number of elements contained in the stack. | Count –  Gets the number of elements contained in the Queue. |
| ReadOnly | IsReadOnly -  Gets a value indicating whether the ArrayList is read-only. |  |  |

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| **GENERIC COLLECTIONS** | | | |
|  | List | Stack | Queue |
| Creation | List<T>() -  Initializes a new instance of the List<T> class that is empty and has the default initial capacity. | Stack<T>() -  Initializes a new instance of the Stack<T> class that is empty and has the default initial capacity. | Queue<T>() -  Initializes a new instance of the Queue<T> class that is empty and has the default initial capacity. |
| Deletion | Remove(T) -  Removes the first occurrence of a specific object from the List<T>. | Pop() -  Removes and returns the object at the top of the Stack<T>. | Dequeue() -  Removes and returns the object at the beginning of the Queue<T>. |
| Updating | Add(T) -  Adds an object to the end of the List<T>. | Push(T) -  Inserts an object at the top of the Stack<T>. | Enqueue(T)  Adds an object to the end of the Queue<T>. |
| Read | foreach (var item in array1) {} | foreach (var item in array1) {} | foreach (var item in array1) {} |