|  |  |  |  |
| --- | --- | --- | --- |
|  | ArrayList | Stack | Queue |
| Creation | ArrayList arList = new ArrayList(){} | Stack myStack = new Stack(); | Queue callerIds = new Queue(); |
| Deleting | arList.Remove(); | myStack.Pop(); | callerIds.Dequeue(); |
| Updating | arList.Insert(index, ""); | myStack.Push(1); | callerIds.Enqueue(4); |
| Read | foreach (var val in arList)    Console.WriteLine(val); | foreach (var item in myStack)  Console.Write(item + ","); | foreach (var id in callerIds) {  Console.Write(id); |

**SYSTEM.COLLECTIONS**

**SYSTEM.COLLECTION.GENERIC**

|  |  |  |  |
| --- | --- | --- | --- |
|  | List | Stack | Queue |
| Creation | var names = new List<string>(){}; | Stack <int>myStack = new Stack<int>(); | Queue<int> callerIds = new Queue<int>(); |
| Deleting | names.RemoveAt(index); | myStack.Pop(); | callerIds.Dequeue(); |
| Updating | names[1] = "Fitz"; | myStack.Push(1); | callerIds.Enqueue(4); |
| Read | foreach (var item in names)  {  Console.WriteLine(item);  } | foreach (var item in myStack)  Console.Write(item + ","); | foreach (var id in callerIds) {  Console.Write(id); |