**Stack in C#**

**Definition:**

* Stack is Last-in, first-out type of collection. Anything that enters the stack first leaves last and anything that enters the stack last leaves first.

**Features:**

* The capacity of Stack is the number of elements it can hold.
* Push() method in stack pushes the new element on the top of the stack.
* Pop() method removes the last added element of the stack, which is the topmost element of the stack.
* Stack accepts null and allows duplicate values.

**Questions:**

* Pop() method’s time complexity is?

Ans: O(1)

* Declaration of stack

Ans: Stack newStack = new Stack();

* Stack can be imported from

And: System.Collections namespace

* The property that returns the total number of elements in a stack

Ans: Count property

* Getting the topmost element without removing the element

Ans: Peek() method

**Example:**

Stack myStack = new Stack();

**myStack.Push("E");**

**myStack.Push("D");**

**myStack.Push("C");**

**myStack.Push("B");**

**myStack.Push("A");**

Console.WriteLine("Number of elements in the Stack: {0}", **myStack.Count**);