

# Single, SingleOrDefault

## Single(), SingleOrDefault()

- ✓ Single() and SingleOrDefault() both are used (independently) to return a single element from a data source.
- ✓ If the element is available at multiple places then both the methods will throw an exception.
- ✓ If no element is available in the datasource -
  - ✓ Single() will throw an exception.
  - ✓ But SingleOrDefault() will return default value of data source element.

Remember the sequence should contains only one element.

```
0 references
class Program
{
    0 references
    static void Main(string[] args)
    {
        List<int> numbers = new List<int>() { 1, 2, 3};

        var ms = numbers.Where(x => x > 5).SingleOrDefault();

        Console.ReadLine();
    }
}
```