

FirstOrDefault with Condition

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

public class MainClass {
    public static void Main() {

        List products = GetProductList();

        Product product789 = products.FirstOrDefault(p => p.Id ==
789);

        Console.WriteLine("Product 789 exists: {0}", product789 !=
null);
    }
    static List GetProductList() {
        List empTree = new List();
        empTree.Add(new Product { ProductName = "A", Category = "0",
UnitPrice = 12, UnitsInStock = 5, Total = 36, OrderDate = new
DateTime(2005, 1, 1), Id = 1 });
        empTree.Add(new Product { ProductName = "B", Category = "0",
UnitPrice = 2, UnitsInStock = 4, Total = 35, OrderDate = new
DateTime(2005, 1, 1), Id = 2 });
        empTree.Add(new Product { ProductName = "C", Category = "0",
UnitPrice = 112, UnitsInStock = 3, Total = 34, OrderDate = new
DateTime(2005, 1, 1), Id = 3 });
        empTree.Add(new Product { ProductName = "D", Category = "0",
UnitPrice = 112, UnitsInStock = 0, Total = 33, OrderDate = new
DateTime(2005, 1, 1), Id = 4 });
        empTree.Add(new Product { ProductName = "E", Category = "0",
UnitPrice = 1112, UnitsInStock = 2, Total = 32, OrderDate =
new DateTime(2005, 1, 1), Id = 5 });
        empTree.Add(new Product { ProductName = "F", Category = "0",
UnitPrice = 11112, UnitsInStock = 0, Total = 31, OrderDate =
```

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new DateTime(2005, 1, 1), Id = 6 });  
return empTree;  
}  
  
}
```

```
class Product : IComparable {  
    public string ProductName { get; set; }  
    public string Category { get; set; }  
    public int UnitPrice { get; set; }  
    public int UnitsInStock { get; set; }  
    public int Total { get; set; }  
    public DateTime OrderDate { get; set; }  
    public int Id { get; set; }  
  
    public override string ToString() {  
        return String.Format("Id: {0}, Name: {1} , Category: {3}",  
            this.Id, this.ProductName, this.Category);  
    }  
    int IComparable.CompareTo(Product other) {  
        if (other == null)  
            return 1;  
        if (this.Id > other.Id)  
            return 1;  
  
        if (this.Id < other.Id) return -1; return 0; } } [/csharp]
```