4.ForEach 操作符实现

ForEach 其实不算操作符,只是一个遍历的静态方法。

其定义如下:

```
public void ForEach(Action<T> action)
    if (action == null)
      ThrowHelper.ThrowArgumentNullException(ExceptionArgument.match);
    int version = this._version;
    // 重点
    for (int index = 0; index < this._size && (version == this._version || !</pre>
BinaryCompatibility.TargetsAtLeast_Desktop_V4_5); ++index)
      action(this. items[index]);
    if (version == this. version || !
BinaryCompatibility.TargetsAtLeast_Desktop_V4_5)
      return;
ThrowHelper.ThrowInvalidOperationException(ExceptionResource.InvalidOperation_
EnumFailedVersion);
   }
非常简单,实现代码如下
* http://sikiedu.com liangxie
 using System;
using System.Collections.Generic;
using UnityEngine;
namespace UniRxLesson
```

```
{
   public class ForEachImplementExample : MonoBehaviour
       private void Start()
            var testNumbers = new List<int> {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};
           testNumbers.ListWhere(testNumber => testNumber % 2 == 0)
                .ListSelect(number => number / 2)
//
                .ToList() 省略了,本身就是 List 类型。
                .ListForEach(resultNumber => { Debug.Log(resultNumber); });
       }
   }
   public static class ForEachImplement
   {
       public static void ListForEach<T>(this List<T> sourceList, Action<T>
eachAction)
        {
            foreach (var sourceItem in sourceList)
               eachAction(sourceItem);
            }
       }
   }
}
输出结果为:
1
2
3
4
5
输出与之前的一致。
```