14.GroupBy

LINQ GroupBy 简介

对序列中的元素进行分组。

LINQ GroupBy 代码示例

```
/*********************************************************************
 * http://sikiedu.com liangxie
 *********************************************************************/
```

```csharp
using System.Collections.Generic;
using System.Linq;
using UnityEngine;

namespace UniRxLesson
{
    public class LINQGroupByExample : MonoBehaviour
    {
        class Student
        {
            public string Name;

            public int Age;
        }

        private void Start()
        {
            var students = new List<Student>()
            {
```

```csharp
            new Student {Name = "张三", Age = 50},
            new Student {Name = "张三", Age = 50},
            new Student {Name = "李四", Age = 40}
        };

        var studentGroup4Names = students.GroupBy(student => student.Name);

        foreach (var studentGroup in studentGroup4Names)
        {
            Debug.LogFormat("Group Key:{0}", studentGroup.Key);

            foreach (var student in studentGroup)
            {
                Debug.LogFormat("Name:{0} Age:{1}", student.Name, student.Age);
            }
        }
    }
}
```
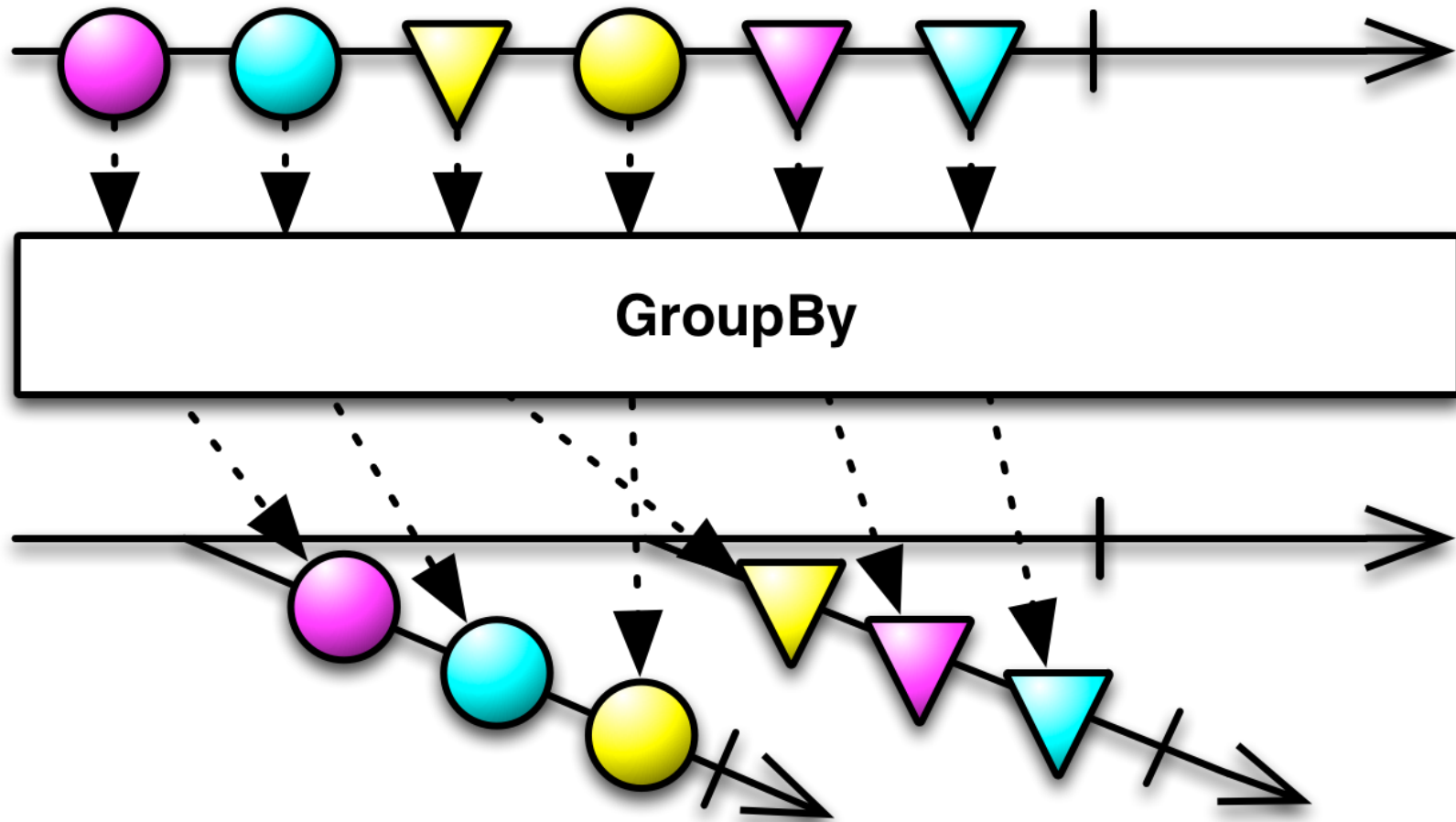
```
        }
```

输出结果为:

```
    Group Key:张三
    Name:张三 Age:50
    Name:张三 Age:50
    Group Key:李四
    Name:李四 Age:40
```
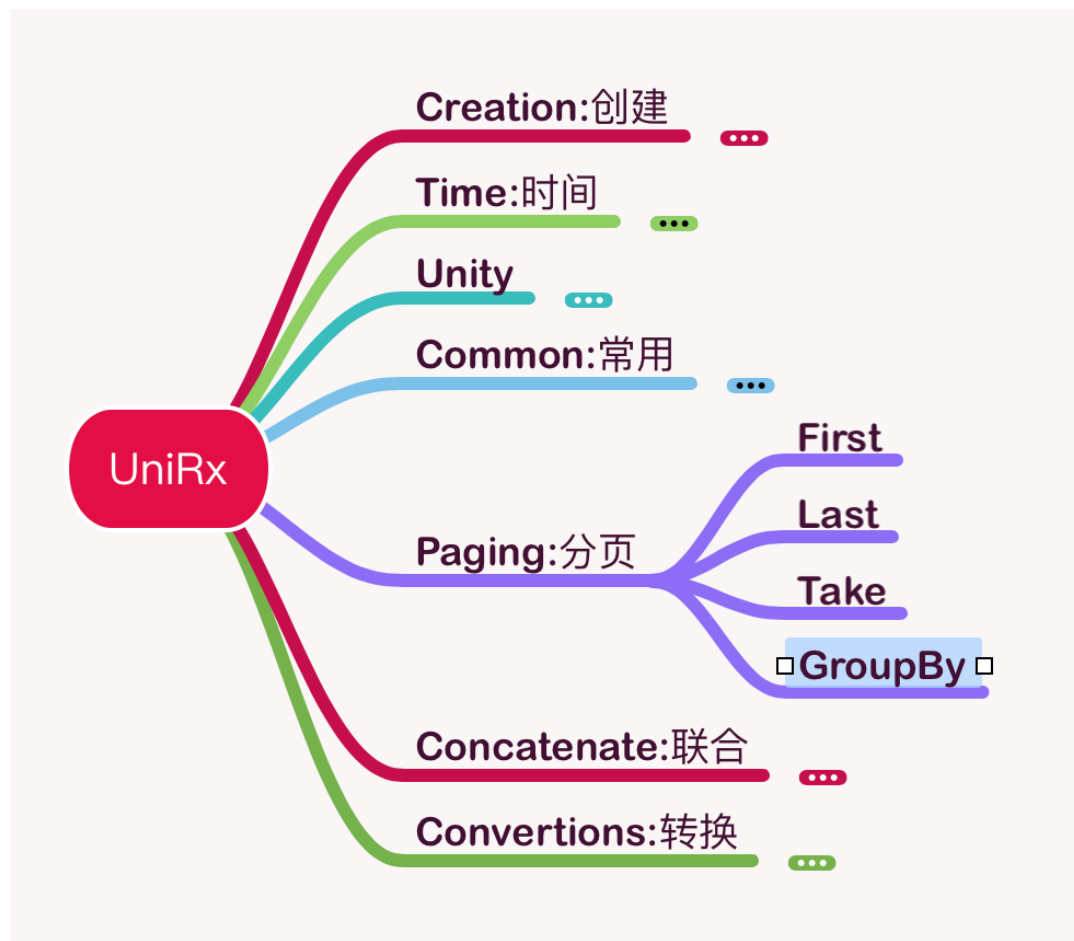
LINQ GroupBy 查询表达式

https://kb.cnblogs.com/page/42470/

UniRx GroupBy 示意图

UniRx GroupBy 在知识地图中的位置

UniRx GroupBy 代码示例

```
/***********************************************************************
 * http://sikiedu.com liangxie
 ***********************************************************************/

using System;
using UniRx;
using UnityEngine;

namespace UniRxLesson
{
    public class UniRxGroupByExample : MonoBehaviour
    {
        private void Start()
        {
            Observable.Interval(TimeSpan.FromSeconds(0.1))
                .Take(10)
```

```
                        .GroupBy(i => i % 3)
                        .Subscribe(group =>
                        {
                                group.Subscribe(number => { Debug.LogFormat("Key:{0},Number:{1}",
    group.Key, number); });
                        });
                }
        }
}
```

输出结果为:

```
Key:0,Number:0
Key:1,Number:1
Key:2,Number:2
Key:0,Number:3
Key:1,Number:4
Key:2,Number:5
Key:0,Number:6
```

```
Key:1,Number:7
Key:2,Number:8
Key:0,Number:9
```

UniRx GroupBy 查询表达式

今天的内容就这些。