

Group join

It will group the results of related

```
{
    var students = new List<Student>()
    {
        new Student(){ Id =1, Name = "Maria",CategoryId = 1},
        new Student(){ Id =2, Name = "Amelia", CategoryId = 1},
        new Student(){ Id =3, Name = "Rebecca", CategoryId = 2},
        new Student(){ Id =4, Name = "Una", CategoryId = 2},
        new Student(){ Id =5, Name = "Victoria", CategoryId = 3},
    };

    var categories = new List<Category>()
    {
        new Category(){Id = 1, Name = "Monitor" },
        new Category(){Id = 2, Name = "Discipline" },
        new Category(){Id = 3, Name = "Nothing" },
    };

    var ms = categories.GroupJoin(students, cat => cat.Id, std => std.CategoryId,
        (cat, std) => new { cat, std }
    ).ToList();

    Console.ReadLine();
}
```

```
var categories = new List<Category>()
{
    new Category(){Id = 1, Name = "Monitor" },
    new Category(){Id = 2, Name = "Discipline" },
    new Category(){Id = 3, Name = "Nothing" },
};

var ms = categories.GroupJoin(students, cat => cat.Id, std => std.CategoryId,
    (cat, std) => new { cat, std }
);

foreach (var item in ms)
{
    Console.WriteLine(item.cat.Name + "=>");

    foreach (var c in item.std)
    {
        Console.WriteLine(c.Name);
    }
}

Console.ReadLine();
}
```

Output

```

var categories = new List<Category>()
{
    new Category(){Id = 1, Name = "Monitor" },
    new Category(){Id = 2, Name = "Discipline" },
    new Category(){Id = 3, Name = "Nothing" },
};

var ms = categories.GroupJoin(students, cat => cat.Id, std => std.CategoryId,
    (cat, std) => new { cat, std }
    );

foreach (var item in ms)
{
    Console.WriteLine(item.cat.Name + "==>");

    foreach (var c in item.std)
    {
        Console.WriteLine(c.Name);
    }
}

Console.ReadLine();
}

```

```

Select C:\Users\nitish\
Monitor==>
Maria
Amelia
Discipline==>
Rebecca
Una
Nothing==>
Victoria

```

```

        (cat, std) => new { cat, std }
    );

var qs = from c in categories
        join std in students on c.Id equals std.CategoryId into stdGroups
        select new { c, stdGroups };

foreach (var item in qs)
{
    Console.WriteLine(item.c.Name + "==>");

    foreach (var c in item.stdGroups)
    {
        Console.WriteLine(c.Name);
    }
}

```