```java
package com.sxt.iterator;

import java.util.ArrayList;
import java.util.List;

/**
 * 自定义聚合类
 * @author 江
 *
 */

public class ConcreteMyAggregate {
    private List<Object> list;

    public ConcreteMyAggregate() {
        list=new ArrayList<>();
        }

    public void add(Object obj) {
        list.add(obj);
    }

    public void remove(Object obj){
        list.remove(obj);
    }

        public List<Object> getList() {
                return list;
        }

        public void setList(List<Object> list) {
                this.list = list;
        }

        public MyIterator createIterator() {
```

```java
        return new ConcreteIterator();
    }


    //使用内部类定义迭代器,可以直接使用外部类的属性
private class ConcreteIterator implements MyIterator{
    private int cursor;   //定义游标用于记录遍历时的位置

        @Override
        public void first() {
                cursor=0;
        }

        @Override
        public void next() {
        if(cursor<list.size()) {
                cursor++;
        }
        }

        @Override
        public boolean hasNext() {
                if(cursor<list.size()) {
                        return true;
                }else {
                        return false;
                }
        }

        @Override
        public boolean isFirst() {
                return cursor==0?true:false;
        }

        @Override
```

```java
		public boolean isLast() {
			return cursor==(list.size()-1)?true:false;
		}


		@Override
		public Object getCurrentobj() {
			return list.get(cursor);
		}


	}
}
```