```java
package com.iterator;

import java.util.Iterator;
import java.util.List;

public class OutPutImpl {

    //学院集合
    List<College> collegeList;

    public OutPutImpl(List<College> collegeList) {

        this.collegeList = collegeList;
    }
    //遍历所有学院,然后调用printDepartment 输出各个学院的系
    public void printCollege() {

        //从collegeList 取出所有学院, Java 中的 List 已经实现Iterator
        Iterator<College> iterator = collegeList.iterator();

        while(iterator.hasNext()) {
            //取出一个学院
            College college = iterator.next();
            System.out.println("=== "+college.getName() +"=====" );
            printDepartment(college.createIterator()); //得到对应迭代器
        }
    }


    //输出 学院输出 系

    public void printDepartment(Iterator iterator) {
        while(iterator.hasNext()) {
            Department d = (Department)iterator.next();
            System.out.println(d.getName());
        }
    }

}
```