

```
package com.composite;

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

//University 就是 Composite , 可以管理College
public class University extends OrganizationComponent {

    List<OrganizationComponent> organizationComponents = new
    ArrayList<OrganizationComponent>();

    // 构造器
    public University(String name, String des) {
        super(name, des);
        // TODO Auto-generated constructor stub
    }

    // 重写add
    @Override
    protected void add(OrganizationComponent organizationComponent) {
        // TODO Auto-generated method stub
        organizationComponents.add(organizationComponent);
    }

    // 重写remove
    @Override
    protected void remove(OrganizationComponent organizationComponent) {
        // TODO Auto-generated method stub
        organizationComponents.remove(organizationComponent);
    }

    @Override
    public String getName() {
        // TODO Auto-generated method stub
        return super.getName();
    }

    @Override
    public String getDes() {
        // TODO Auto-generated method stub
        return super.getDes();
    }

    // print方法, 就是输出University 包含的学院
    @Override
    protected void print() {
```

```
// TODO Auto-generated method stub
System.out.println("-----" + getName() + "-----");
//遍历 organizationComponents
for (OrganizationComponent organizationComponent :
organizationComponents) {
    organizationComponent.print();
}
}

}
```