第6次平时作业

```
public abstract String getGradeRank();
```

```
package work6;

/* 子类 Undergraduate 实现父类抽象类,实现多态*/
public class Undergraduate extends Student{

public Undergraduate() {
```

```
public Undergraduate(double grade) {
public Undergraduate(String name, String course, double grade) {
public void printGradeRank() {
```

```
package work6;

/* 子类 Postgraduate 实现抽象父类*/
public class Postgraduate extends Student{

public Postgraduate() {

}
```

```
package work6;

/* 测试类,新建数组,校验多态实现*/
public class PolymorphicTest {
```

```
public static void main(String[] args) {
    Student [] students = new Student[10];
    for(int i = 0 ; i < 10 ; i ++) {
        if (i % 2 != 0) {
            students[i] = new

Postgraduate("post"+i/2+1, "postCourse", i*10.0 + 9.0);
        }
        else {
            students[i] = new

Undergraduate("under"+i/2, "underCourse", i*10.0 + 9.0);
        }
    }
    for(Student student : students) {
        student.printGradeRank();
    }
}</pre>
```