```
public class ProgressStackerApp{
 //student class
 static class Student{
  private String name;
  private int rollNo;
  private String course;
  private int[] marks;
 //constructor
 public Student(String name,int rollNo,String course,int[] marks )
  this.name=name;
  this.rollNo=rollNo;
  this.course=course;
  this.marks=marks;
 //gettr , setter
 public String getName(){
  return name;
 }
 public int getRollNo(){
  return rollNo;
 public String getCourse(){
  return course;
 }
 public int[] getMarks(){
  return marks;
 }
 public void setName(String name){
  this.name=name;
 public void setRollNo(int rollNo){
  this.rollNo=rollNo;
 }
 public void setCourse(String course){
  this.course=course;
```

```
}
 public void setMarks(int[] marks){
  this.marks=marks;
 //method calculate grade
 public String CalculateGrade(){
  int total=0;
  for(int mark:marks){
   total+=mark;
  }
  double average = total / (double)marks.length;
  if(average>=85)return "A";
  else if(average>=70)return "B";
  else if(average>=50)
    return "C";
  else
  return "D";
 }
 //methid for student info
 public String getStudentInfo(){
  return "Name: " +name+", RollNo:" +rollNo+", course:"+course;
 }
 public String getPerformance(){
  return getStudentInfo()+",Grade: "+CalculateGrade();
 }
}
//inheritance
 static class SpecialStudent extends Student{
  private String award;
 public SpecialStudent(String name,int rollNo,String course, int[] marks,String
award){
  super(name, rollNo, course, marks);
  this.award=award;
 }
 public String getAward(){
  return award;
 }
```

```
public void setAward(String award){
 this.award=award;
 }
 //methid ovveride
 @Override
 public String getPerformance(){
  return super.getPerformance()+"Award :"+award;
 }
 }
public static void main(String[] args){
 //arry of 5 student
 Student[] student=new Student[5];
 student[0]=new Student("vaishnavi" ,101,"Math",new int[]{83,30,20});
 student[1]=new Student("rina",102,"hindi",new int[]{60,40,65});
 student[2]=new Student("sima",102,"hindi",new int[]{95,98,100});
 student[3]=new Student("tina",102,"hindi",new int[]{59,50,58});
 student[4]=new Student("rahul",102,"hindi",new int[]{89,92,90});
 for(int i=0;i<student.length;i++){</pre>
  System.out.println(student[i].getPerformance());
 }
}
}
______
Output:
            Name: vaishnavi, RollNo:101, course:Math,Grade: D
            Name: rina, RollNo:102, course:hindi,Grade: C
            Name: sima, RollNo:102, course:hindi,Grade: A
```

Name: tina, RollNo:102, course:hindi,Grade: C Name: rahul, RollNo:102, course:hindi,Grade: A