```java
import java.util.*;
public class Student {
        Scanner s = new Scanner(System.in);
private String name;
private int [] grades;
public Student (String sname, int size)
{

        name = new String (sname);
        grades = new int [size];

}

public void bonus (int b) {
        for (int j = 0; j< grades.length;j++)
                grades [j]+=b;
}
public void copyTo (Student s){
        s.name=name;
        for (int j = 0; j< grades.length;j++)
                s.grades[j]=grades[j];

        }

public int location (int x) {
        for (int j = 0; j<grades.length;j++)
                if (grades[j] ==x)
                        return j;
        return -1;

}
public void fillGrades(){
        for (int j = 0; j< grades.length;j++){
                System.out.println(("Enter grades:"));
                grades[j]=s.nextInt();}
}
public void display(){
        for (int j = 0; j<grades.length;j++)
        {
                System.out.println(name + " " + grades[j]);

        }
}
public int max (){
        int max = grades[0];
        for (int j = 0; j<grades.length;j++)
        {
                if (grades[j]>max)
                        max = grades[j];
        }
        return max;
}

}
```
****

```java
import java.util.Scanner;
public class Teststudent {

    public static void main(String[] args) {
        Scanner scan = new Scanner (System.in);
        System.out.println("how many grades per student: ");
        int n = scan.nextInt();
        Student s1=new Student ("Ahmad",n);
        Student s2=new Student ("Jamal",n);
        Student s3=new Student ("Salim",n);
        s1.fillGrades();
        s2.fillGrades();
        s1.copyTo(s3);
        System.out.println("Ahmad grades: ");
        s1.display();
        System.out.println("jamal grades: ");
        s2.display();
        System.out.println("salim grades: ");
        //s3.display();
        s3.bonus(20);
        s3.display();
        int max = s1.max();
        System.out.println("max grade: " + max);
        int loc = s1.location(20);
        if (loc ==-1)
            System.out.println("did not score 20 ");
        else System.out.println("score 20 at location "+ loc + " grade ");

    }


}
```