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import java.lang.reflect.Array;

//-----
// Author: Shyaan Khan    Period: 4        Date:
// Description:
//-----

/**
 * @author mv.skhan
 *
 */
public class Test {
    public static void main(String[] args)
    {

        int[] arrays1 = {87,78,90};
        int[] arrays2 = {90,95,87};
        int[] arrays3 = {67,77,68};
        int[] arrays4 = {80,85,80};
        int[] arrays5 = {76,69,79};

        Student s1 = new UnderGrad("John Doe", arrays1, " ");
        Student s2 = new GradStudent("Jill Jones", arrays2, " ", 0001);
        Student s3 = new GradStudent("Jack Smith", arrays3, " ", 0002);
        Student s4 = new UnderGrad("Mary Hines", arrays4, " ");
        Student s5 = new UnderGrad("Mick Taylor", arrays5, " ");

        Student[] students = {s1,s2,s3,s4,s5};

        System.out.println("Average Test Score for "+s1.getName()+" is
"+s1.getTestAverage());
        System.out.println("Average Test Score for "+s2.getName()+" is
"+s2.getTestAverage());
        System.out.println("Average Test Score for "+s3.getName()+" is
"+s3.getTestAverage());
        System.out.println("Average Test Score for "+s4.getName()+" is
"+s4.getTestAverage());
        System.out.println("Average Test Score for "+s5.getName()+" is
"+s5.getTestAverage());

        int Ucount = 0;
        int totalUnderGrad = 0;
        int Gcount = 0;
        int totalGrad = 0;

        for(int i = 0; i < students.length;i++)
        {
            students[i].computeGrade();
            if(students[i] instanceof UnderGrad)
            {
                totalUnderGrad++;
                if(students[i].getGrade().equals("Pass"))
                {

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        Ucount++;
    }
}
if(students[i] instanceof GradStudent)
{
    totalGrad++;
    if(students[i].getGrade().equals("Pass"))
    {
        Gcount++;
    }
}
}

System.out.println(((Ucount/totalUnderGrad)*100)+"% of the UnderGrad
students passed");
System.out.println(((Gcount/totalGrad)*100)+"% of the Grad Students
passed");
}
}

```

OUTPUTS

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Average Test Score for John Doe is 85.0
Average Test Score for Jill Jones is 90.66666666666667
Average Test Score for Jack Smith is 70.66666666666667
Average Test Score for Mary Hines is 81.66666666666667
Average Test Score for Mick Taylor is 74.66666666666667
100% of the UnderGrad students passed
100% of the Grad Students passed

```