```java
public class student {
    // Student Class
    // Roll Nos:21891,21863,21854,21878
    String name;
    int rollno, marks_obtained;

    public void setName(String name) {
        this.name = name;
    }

    public void setRollno(int rollno) {
        this.rollno = rollno;
    }

    public void setMarks_obtained(int marks_obtained) {
        this.marks_obtained = marks_obtained;
    }

    double calc_percentage() {
        double perc;
        perc = marks_obtained * 100 / 500;
        return (perc);
    }
}


// Student Test Class
//Roll Nos:21891,21863,21854,21878
import org.junit.Test;
import static org.junit.Assert.assertEquals;

public class studenttest {
    double percentage;
    student s = new student();

    @Test
    public void testpercent() {
        s.setName("Student1");
        s.setRollno(21000);
        s.setMarks_obtained(250);
        percentage = s.calc_percentage();
        assertEquals(50, percentage, 0.0);
    }
}
```

```java
// Test Runner Class
//Roll Nos:21891,21863,21854,21878
import org.junit.runner.JUnitCore;
import org.junit.runner.Result;
import org.junit.runner.notification.Failure;

public class testrunner1 {
    public static void main(String[] agrs) {
        Result result = JUnitCore.runClasses(studenttest.class);

        for (Failure failure : result.getFailures()) {
            System.out.println(failure.toString());
        }

        System.out.println(result.wasSuccessful());
    }
}
```

```java
1
2    // Test Runner Class
3    //Roll Nos:21891,21863,21854,21878
4    import org.junit.runner.JUnitCore;
5    import org.junit.runner.Result;
6    import org.junit.runner.notification.Failure;
7
8    public class testrunner1 {
         Run | Debug
9        public static void main(String[] agrs) {
10           Result result = JUnitCore.runClasses(...classes: studenttest.class);
11
12           for (Failure failure : result.getFailures()) {
13               System.out.println(failure.toString());
14           }
15
16           System.out.println(result.wasSuccessful());
17       }
18   }
19
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\kelli\Desktop\learnJunitTesting\learnJunitTesting>  & 'C:\Program Files (x86)\Java\jre1.8.0_361\bin\java.exe' '-cp' 'C:\Users\kelli\AppD
ata\Local\Temp\cp_f0luzby71uf8szugt66vuztyt.jar' 'testrunner1'
true
PS C:\Users\kelli\Desktop\learnJunitTesting\learnJunitTesting>  c:; cd 'c:\Users\kelli\Desktop\learnJunitTesting\learnJunitTesting'; & 'C:\Program F
iles (x86)\Java\jre1.8.0_361\bin\java.exe' '-cp' 'C:\Users\kelli\AppData\Local\Temp\cp_f0luzby71uf8szugt66vuztyt.jar' 'testrunner1'
true
PS C:\Users\kelli\Desktop\learnJunitTesting\learnJunitTesting> []
```