```
/**
     * This class represents a student's record within a module, containing their marks,
 2
      * score, and whether this score is above average for the module
 4
 5
    public class StudentRecord {
 6
 7
         private Student student;
8
9
         private Module module;
10
11
         private double[] marks;
12
13
         private double finalScore;
14
15
         private Boolean isAboveAverage;
16
17
18
          * Constructor for Student Record
19
20
          * @param student
21
          * @param module
22
          * @param marks
                            each mark must be between 0 and 100
          * /
23
24
         public StudentRecord(Student student, Module module, double[] marks) {
25
26
27
             // Validates that each mark is between 0 and 100
28
             for (double mark : marks) {
29
                 if (mark > 100 || mark < 0) {</pre>
30
                      throw new IllegalArgumentException ("Each mark must be between 0 and
                      100");
31
                 }
32
             }
33
34
35
             // Calculates final score
36
             double total = 0.0;
37
             int count = 0;
38
             for (double score : marks) {
39
                 total += score;
40
                 count++;
41
             }
42
43
             // Inits variables
44
             this.student = student;
45
             this.module = module;
46
             this.marks = marks;
47
             this.finalScore = total / count;
48
         }
49
50
         /**
51
          * Calculates if the student is above average for the module
          * /
52
53
         public void setAboveAverage() {
54
             if (this.finalScore > module.getFinalAverageGrade()) {
55
                 this.isAboveAverage = true;
56
             } else {
57
                 this.isAboveAverage = false;
58
             }
59
         }
60
61
         public double getFinalScore() {
62
             return finalScore;
63
64
65
         public Module getModule() {
66
             return module;
67
```

}