```
1//2016.Resit
 3 import java.util.ArrayList;
 6 public class Module {
    private List<Student> students;
    private String code;
10
    public Module(String c) {
      students = new ArrayList<Student>();
11
12
      code = c;
13
    }
14
15
    public void addStudent(Student s) {
16
      students.add(s);
17
18
19
    public String getBest() {
20
      double highest = -1;
21
      String id = "None";
      for (Student s : students) {
22
23
        if (s.getAverage() > highest) {
24
          highest = s.getAverage();
25
          id = s.getID();
26
        }
      }
27
28
      return id;
29
30
31
    public String getWorst() {
32
      double lowest = 101;
      String id = "None";
33
34
      for (Student s : students) {
35
        if (s.getAverage() < lowest) {</pre>
36
          lowest = s.getAverage();
37
          id = s.getID();
38
        }
      }
39
40
      return id;
41
42
43
    public double getAverage(int i) {
44
      double sum = 0;
45
      for (Student s : students) {
46
        sum = sum + s.getResults(i);
47
48
      return sum / students.size();
49
50
51
    public String toString() {
      String s = "Details for module " + code + "\n";
52
      s += "Best Student: " + getBest() + "\n";
53
      s += "Worst Student: " + getWorst() + "\n";
54
55
      for (int i = 0; i < 5; i++) {
        s += "Average for assignment " + (i + 1) + " is " + getAverage(i) + "\n";
56
57
58
      return s;
59
60 }
61
```