

Student.java

```
1 //2016.Resit
2
3 public class Student {
4     private String id;
5     private double[] grades;
6
7     public Student(String id, double a, double b, double c, double d, double e) {
8         this.id = id;
9         grades = new double[5];
10        grades[0] = a;
11        grades[1] = b;
12        grades[2] = c;
13        grades[3] = d;
14        grades[4] = e;
15    }
16
17    public double getAverage() {
18        double sum = 0;
19        for (int i = 0; i < grades.length; i++) {
20            sum += grades[i];
21        }
22        return sum / grades.length;
23    }
24
25    public String getGrade() {
26        double avg = getAverage();
27        if (avg >= 85) {
28            return "A";
29        } else if (avg >= 70) {
30            return "B";
31        } else if (avg >= 55) {
32            return "C";
33        } else if (avg >= 40) {
34            return "D";
35        } else if (avg >= 25) {
36            return "E";
37        } else if (avg >= 10) {
38            return "F";
39        } else if (avg >= 2) {
40            return "G";
41        } else {
42            return "NG";
43        }
44    }
45
46    public String toString() {
47        return "Student " + id + " received an " + getGrade();
48    }
49
50    public String getID() {
51        return id;
52    }
53
54    public double getResults(int i) {
55        return grades[i];
56    }
57 }
```