

```

1  import java.util.*;
2
3  class Student {
4      String name;
5      int grade;
6
7      Student(String name, int grade) {
8          this.name = name;
9          this.grade = grade;
10     }
11 }
12
13 public class GradeManager {
14     static Map<String, Student> records =
15     new HashMap<>();
16
17     public static void main(String[] args) {
18         Scanner scanner = new
19         Scanner(System.in);
20         while (true) {
21             System.out.println("1. Add");
22             System.out.println("2. Update");
23             System.out.println("3. View");
24             System.out.println("4. Exit");
25
26             int choice = scanner.nextInt();
27             scanner.nextLine(); // consume

```

```

31         int grade = scanner.nextInt();
32         scanner.nextLine(); // consume
33         leftover newline
34         records.put(name, new
35         Student(name, grade));
36         } else if (choice == 2) {
37             System.out.print("Name: ");
38             String name = scanner.nextLine();
39
40             if (records.containsKey(name)) {
41                 System.out.print("New Grade:
42                 ");
43                 int grade = scanner.nextInt();
44                 scanner.nextLine(); //
45                 consume leftover newline
46                 records.put(name, new
47                 Student(name, grade));
48             } else {
49                 System.out.println("Student
50                 not found.");
51             }
52         } else if (choice == 3) {
53             for (Student s : records.values())
54             {
55                 System.out.println(s.name + ":
56                 " + s.grade);
57             }
58         } else {
59             break;

```

```

Name: Ayamara Olashi
Grade: 4
Student added.

1. Add 2. Update 3. View 4. Exit
Choose an option: 3
Student Records:
Ayamara Olashi: 4

1. Add 2. Update 3. View 4. Exit
Choose an option:

```

