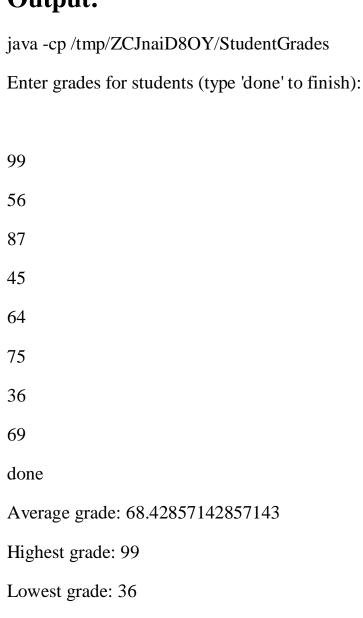
```
import java.util.ArrayList;
import java.util.Scanner;
public class StudentGrades {
  public static void main(String[] args) {
     ArrayList<Integer> grades = new ArrayList<>();
     Scanner scanner = new Scanner(System.in);
     System.out.println("Enter grades for students (type 'done' to finish):");
     while (true) {
       String input = scanner.next();
       if (input.equalsIgnoreCase("done")) {
          break;
        }
       try {
          int grade = Integer.parseInt(input);
          grades.add(grade);
        } catch (NumberFormatException e) {
          System.out.println("Invalid input. Please enter a valid grade or 'done' to finish.");
        }
     }
     if (grades.size() == 0) {
       System.out.println("No grades entered.");
```

```
return;
}
int sum = 0;
int highest = grades.get(0);
int lowest = grades.get(0);
for (int grade : grades) {
  sum += grade;
  if (grade > highest) {
     highest = grade;
  if (grade < lowest) {
     lowest = grade;
  }
}
double average = (double) sum / grades.size();
System.out.println("Average grade: " + average);
System.out.println("Highest grade: " + highest);
System.out.println("Lowest grade: " + lowest);
```

}

## **Output:**



=== Code Execution Successful ===