

```
// Ch. 6 Demo 1

import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.io.IOException;

public class Ch6Demo1
{
    public static void main(String[] args) throws IOException
    {
        usingSentinelValue();
        usingFlagVariable();
    }

    public static void usingSentinelValue() throws IOException
    {
        BufferedReader console = new BufferedReader(new InputStreamReader(System.in));
        String userInput = "";
        int count = 0;

        while (!userInput.equals("exit"))
        {
            System.out.print("Enter a word or 'exit' to quit: ");
            userInput = console.readLine();
            count++;
        }

        System.out.println("You entered " + (count - 1) + " words");
    }

    public static void usingFlagVariable() throws IOException
    {
        BufferedReader console = new BufferedReader(new InputStreamReader(System.in));
        String userInput = "";
        int userNum = 0;
        int sum = 0;
        int count = 0;
        boolean finished = false;

        while (!finished)
        {
            System.out.print("Enter a score or '-1' to quit: ");
            userInput = console.readLine();
            userNum = Integer.parseInt(userInput);

            if (userNum >= 0)
            {
                sum += userNum;
                count++;
            }
            else
                finished = true;
        }

        System.out.println("Your average is " + (double) sum / count);
    }
}
```