Average Grades

Problem ID: p02averagegrades

Write a Python program that reads in a sequence of grades for courses and the corresponding credits received for each course. This is repeated until a grade < 0 is entered. At the end, the program prints:

- the weighted average grade, but only if the total number of credits entered is > 0.
- the highest grade, but only if it is ≥ 0.

The loop in the program should be implemented as a **while statement**.

Input

The input consists of $2n - 1$ lines, where $n \geq 1$.
Line no. $2i - 1$, $i \geq 1$, contains one float, a grade g_i, where $-1 \leq g_i \leq 10$, given with at most one digit after the decimal point.
If line no. $2i - 1$, $i \geq 1$, does not contain a negative value, then line no. $2i$ contains one int, number of credits c_i, where $0 \leq c_i \leq 10$.

Output

The output consists of maximum two lines formatted as follows:
Weighted average grade: `weighted_average_grade`
Highest grade: `highest_grade`

The value `weighted_average_grade` should be rounded to two digits after the decimal point by using the `round()` function.
The value `highest_grade` should be printed with the same precision as entered by the user.

Sample Input 1

```
7.5
6
6.5
4
-1
```

Sample Output 1

```
Weighted average grade: 7.1
Highest grade: 7.5
```

Sample Input 2

```
8.5
10
7
6
5.5
4
9.5
2
-1
```

Sample Output 2

```
Weighted average grade: 7.64
Highest grade: 9.5
```

Sample Input 3

```
-1
```

Sample Output 3

Sample Input 4	Sample Output 4
7.5 0 8.5 0 3.5 0 -1	Highest grade: 8.5