

C++ Fundamentals Exam

The following tasks should be submitted to the SoftUni Judge system.

Task 3 – Pet Exhibition

Several pets are competing in an exhibition. They receive different scores from the judges. Your task is to write a program which prints the pets' **names**, who are still part of the exhibition, ordered from best to worst by score.

Write a **class Pet** with the following **fields**:

- **name**
- **age**
- **score**

Create a vector/list of **Pets** where you can put the information for each participant.

- If the pet's age is **greater than or equals 12**, their score **increases with 2.5 points**.
- If the pet's score is **lower than 4**, the pet is disqualified from the exhibition (removed from the vector)

Input

On the **first line**, you are given a number of participants - **an integer**.

On the **following lines**, you are given:

- **name**: string
- **age**: int
- **score**: double - [0.00...10.00]

Output

- On the **first line** – print the pet's **names** from best to worst **scoring**.
 - If two or more pets have the **same result**, priority in the order has the one **entered first** in the list.

Note: All the numbers are positive.

Examples

Input	Output	Comments
6 Lisa 12 2 Sharo 4 2.5 Poki 3 6 Bari 13 3.5 Erik 7 7 Harry 9 3	Erik Poki Bari Lisa	There are 6 participants and information for each of them is added. If a pet is or is older than 12 , 2.5 points are added to their score. Lisa is 12 -> Lisa's score increases to 2 + 2.5 = 4.5 Bari is 13 -> Bari's score increases to 3.5 + 2.5 = 6 If a pet has a score below 4 points, it should be removed from the list. Sharo's score is 2.5 ($2.5 < 4$) -> the participant is removed from the list. Harry's score is 3 ($3 < 4$) -> the participant is removed from the list.

		<p>The pets are sorted by their score (from best to worst).</p> <p>Poki and Bari have the same result but the first is the one entered first in the list.</p> <p>The final result is: Erik Poki Bari Lisa</p>
<p>5</p> <p>Charlie 14 8</p> <p>Adam 11 5</p> <p>Rex 2 4</p> <p>Sara 1 3</p> <p>Tom 5 10</p>	Charlie Tom Adam Rex	