# "Programming Basics" Exam

## 5. Care of Puppy

Annie finds a puppy to take care of until they find someone to adopt it. It eats a **certain amount of food** daily. Write a program that checks if **the amount of food purchased for the puppy will be enough until the puppy is adopted.**

**Input Data**

From the console are read:

* **The amount of food purchased for the puppy in kilograms - an integer** in the range **[1 …100]**
* **On each following line** until the command **Adopted** is received, you will receive **how many grams the puppy eats at each feeding - an integer** in the range **[10 …1000]**

**Output Data**

**One line** is printed on the console:

* If the amount of food **is enough**:

**"Food is enough! Leftovers: {remaining food} grams."**

* If the amount of food **is not enough**:

**"Food is not enough. You need {needed food} grams more."**

**Sample Input and Output**

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 4  130  345  400  180  230  120  **Adopted** | Food is enough! Leftovers: 2595 grams. | The amount of food purchased is 4 kg = 4 \* 1000 = 4000 grams.  **The total amount of food** the puppy ate before being adopted is:  130 + 345 + 400 + 180 + 230 + 120 = 1405 grams. This amount is **less** than the initial amount purchased (4000 grams) => the remaining food is 4000 - 1405 = 2595 grams. |
| 3  1000  1000  1000  **Adopted** | Food is enough! Leftovers: 0 grams. |  |
| 2  999  456  999  999  123  456  **Adopted** | Food is not enough. You need 2032 grams more. |  |