# A test of "fundamentals of programming" 17 September

## Task 4. Osmond's Grandfather

Amir still has a Grandfather for brandy and boil every day of your favorite beverage. If boiled **N days**and each day gets a **different amount of brandy** and **alcoholic strength**to be found forall the days**the total quantity of brandy and degrees of mixture.**

### Login

From the console to read **a series of numbers, each on a separate line**:

        The **first line** – N -number of days – **an integer in the range** **[1...300]**

        For **one day each**on a separate line:

 **quantity of brandy**– **a real number in the interval** **[1.00... 500 .00]**

 **degree of the drink-a real number in the interval [10.00... 99.00]**

### Exit

To be printed on the console **3 line**as follows:

      **The first row**-to print formatted message to a second sign " **Liter**: {total litres} "

      **The second line**-to print message formatted to a second sign "**Degrees**:{degrees of common mixture}  ;

      **Third line**-to print:

 If the degree is less than 38, to print a message "no good need solution!". "**Not good, you should baking**!".

 If it's from 38 to 42, to print a message "Super!"  "**Super**!"

 If it's more than 42, to print "dilution with distilled water."  "**Dilution with distilled water**!"

### Sample input and output

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Login** | **Exit** | **Explanations** | **Login** | **Exit** |
| 3  100  45  50  55  150  36 | Liter: 300.00  Degrees: 42.17  Dilution with distilled water! | **First day:**total = 100 litres  100 \* 45 = 4500  **Second day:**total = 100 + 50 = 150;  4500 + 55 \* 50 = 7250;  **Third Day:**total = 150 + 150 =300;  7 2 50+150\*36=12650;  **degrees**=12650 / 300= 42.166666... | 2  200  43  200  40 | Liter: 400.00  Degrees: 41.50  Super! |