# A test of "fundamentals of programming" – 20 November 2016

## Task 4. SoftUni Kemp

Students from SoftUni goes to the SoftUni Camp! Students are **divided into different groups**, such as the **basis of the number of people in the group,** using **different transport**.

        A group of **up to 5 persons** – **passenger car**;

        Group **of 6 to 12** – **van**;

        A group **of 13 to 25** – **small bus**;

        Group **from 26 to 40** – **big bus**;

        A group **of 41 or more** – **train**.

To **write a program**that **calculates the percentage of students traveling with any vehicle**.

### Login

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

        The **first line** – **the number of groups** of students – **an integer in the range** **[1...1000]**

        For **each group** on a separate line – **the number of people in the Group** – **an integer in the range** **[1...1000]**

### Exit

To be printed on the console **5 rows**, each of which contains **a percentage between** **0.00% and 100.00% to the nearest second decimal place**.

        **The first row**- **the percentage of** travelers with**a passenger car**;

        **The second line**– **the percentage of** travelers with **a van**;

        **Third line**– **the percentage of** travelers with **a small bus**;

        **The fourth line**– **the percentage of** travelers with **big bus**;

        **The fifth line**– **the percentage of** travelling by **train**.

### Sample input and output

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Login** | **Exit** | **Explanations** | **Login** | **Exit** |
| 10  10  5  1  100  12  26  17  37  40  78 | 1.84%  6.75%  5.21%  31.60%  54.60% | All people 10 + 5 + 1 + ... + 78 = 326  6 /326 \* 100 = 1.84% in passenger car  22 /326 \* 100 = 6.75% with Van  17 /326 \* 100 = 5.21% with small bus  103 /326 \* 100 = 31.60% with big bus  178 /326 \* 100 = 54.60% by train | 5  25  41  31  250  6 | 0.00%  1.70%  7.08%  8.78%  82.44% |