# A test of "fundamentals of programming"-03 September

## Task 2. Scholarships

Students can apply for **social Fellowship** or **scholarship for excellent success**. Requirement for social scholarship – **income per family member is less than the minimum wage and success of over 4.5**. amount of social scholarship – **35% of the minimum wage**. A requirement for scholarship for excellent success – **success over, including 5.5**. amount of the scholarship for excellence – **the success of the the student, multiplied by a factor of 25**.

Write a program that when entering **income**, **success** and **minimum** **working** **salary**, whether a student is eligible to receive a scholarship, and the value of the scholarship, which **is** **higher**for him.

### Login

The user enters **3 numbers**, one per line:

**1.** **Income in EUR – a real number in the interval [0.00..6000.00 ];**

**2.** **Grade point average – real number in the interval** **[2.00...6.00 ];**

**3.** **Minimum wage – real number in the range [0.00..1000.00 ];**

### Exit

        If the student **is not entitled to receive a scholarship**, is displayed:

**"You cannot get a scholarship!"**

        If the student **is eligible to receive social scholarship** and it **is higher** than the scholarship for excellence:  
**" You get a Social scholarship {value of scholarship} BGN "**

       If the student **is eligible to receive a scholarship for excellence** and it is **higher** or **equal to** the value of social scholarship about him:  
**" You get a scholarship for excellent results {value of scholarship} BGN "**

**The result is rounded to the lower integer.**

### Sample input and output

|  |  |  |
| --- | --- | --- |
| **Login** | **Exit** | **Explanations** |
| 480.00  4.60  450 .00 | **You cannot get a scholarship!** | Income from 4 8 $0 is higher than minimum wage $450. → the student may not receive social scholarship.  Success 4.50 5.50 < → student cannot receive a scholarship for an excellent success. |
| 300.00  5.65  420.00 | **You get a Social scholarship 147 BGN** | 300 EUR 420 < and > $5.65 4.50 → student can receive social scholarship 35% \* $ = 420. 147 EUR  Good luck > 5.65 5.50 → the student can receive a scholarship for excellent success 5.65 \* 25 = $141.25.  147 EUR > $141.25. → the student will receive a social scholarship. |