# A test of "programming for beginners" – 24 April 2016

## Task 3. Operations between the numbers

Write a program that reads **two integers (N1 and N2)** and **operator** to **perform** a **mathematical operation** with them. the possible operations are: **Collection** **(+)**, **Subtraction(-)**, **Multiplication(\*)**, **Division(/)**and**a modular partition(%).**In **addition**, **subtraction** and **multiplication** of the console **should print the result** and whether it is **even**or**odd**. at **normal partition** – **score** a **modular partition** – **the rest**. It should be borne in mind that **the divisor can be equal to 0 (zero)**, and **the zero does not split**. In this case, must be printed **special message**.

### Login

From the console are read **3 rows**:

        **N1**– **an integer** in the range **[0 ...** **4 0 000]**

        **N2**– **an integer** in the range **[0 ...** **4 0 000]**

        **Operator**– **a symbol** : izmedu "**+**", "**-**", "**\***", "**/**", "**%**"

### Exit

The console should print **one line**:

        If the operation is **addition**, **subtraction** or **multiplication**:

o **"{N1} {operator} {N2} = {score} – {even/odd}"**

        If the operation is a **partition**:

o **"{N1}/{N2} = {score}"**– the result is **foramatiran** to **the second character after the decimal comma**

        If the operation is **a modular partition**:

o **"{N1}% {N2} = {balance}"**

        In the case of **partition with 0 (zero)**:

o **"Cannot divide {N1} by zero"**

### Sample input and output

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **login** | **exit** | **login** | **exit** | **login** | **exit** |
| 10  12  + | 10 + 12 = 22 - even | 123  12  / | 123/12 = 10.25 | 112  0  / | Cannot divide 112 by zero |
| 10  1  - | 10 – 1 = 9 - odd | 10  3  % | 10% 3 = 1 | 10  0  % | Cannot divide 10 by zero |
| 7  3  \* | 7 \* 3 = 21 - odd |  | | | |