**algorithmization and programming**

**task pack 2**

ACTIVITIES

Choose some of this tasks and create programs

Простые задачи

1. Create the calculator. User enters the one number and one char, and repeats the entering until user enter ‘=’  
   after that you need to calculate all of the formula. do not consider operation priorities. They go in order

For examples:

Input: 2 – 4.5 + 12 / 5 =

Output: 1.9

1. User enters the date in format of 3 integers (day month year), after that he enters the number of days. You need to sum the amount of days to the first date and print the new date. Remember that in different months there is a different amount of days. Also remember that we have leap years where the amount of days in February is 29
2. Enter a two-dimensional array filled with 0 1

It is representing the chessboard. 0 – represent the free fields. 1 – means that there is standing an enemy figure

Enters the number F that represents the figure (1 – king, 2 – rook, 3 – bishop, 4 – queen, 5 - knight)

After that enters the coordinates of two different squares of the chessboard x1, y1, x2, y2.

You need to print is the figure f that stands on coordinates x1, y1, can reach the field x2, y2 by one move. Note that if there is an enemy figure on the way to goal field, the answer will be also – “no”