

Lab03: Integer Arithmetic

Note: You need to follow the printing style in the sample runs.

Task(s):

1. Write a program that asks the user to enter a signed number and read it. Then display the content of multiplying this number by 24.5.

Note1: Only the shift instructions are allowed (No mul/div) in this task.

Note2: Anything after decimal point is ignored in case of odd signed number.

SAMPLE RUN1:

Mars Messages	Run I/O
Clear	Enter a signed number: 2 The result of multiplying it by 24.5 is: 49 -- program is finished running --

SAMPLE RUN2:

Mars Messages	Run I/O
Clear	Enter a signed number: 3 The result of multiplying it by 24.5 is: 73 -- program is finished running --

2. Write a program that asks the user to enter an alphabetic character (either lower or upper case) and change the case of the character from lower to upper and from upper to lower and display it.

SAMPLE RUN1:

Mars Messages	Run I/O
Clear	Enter character: c The result is: C -- program is finished running --

SAMPLE RUN2:

Mars Messages	Run I/O
Clear	Enter character: G The result is: g -- program is finished running --