

LMC Revision Tasks Part 2

Write LMC programs to complete the following tasks. You will need to use the BRZ, BRP and BRA commands here as well. For each task you should submit annotated mnemonics:

Task 1:

Ask the user for two numbers and print out the biggest.

Test data:	Expected output:
7, 9	9
9, 7	9

Task 2:

Ask the user for two numbers. If they are the same then print 0, otherwise add them and print out the answer.

Test data:	Expected output:
3, 9	12
7, 7	0

Task 3:

Ask the user for one larger number and one factor of that number (e.g. 15 and 3, 20 and 5). The program should keep subtracting the smaller number until it reaches 0 - where it should print out 0.

Test data:	Expected output:
16, 4	0
36, 6	0

Task 4:

Ask the user for three numbers and print out all three from largest to smallest.

Test data:	Expected output:
3, 16, 5	16, 5, 3
4, -3, 20	20, 4, -3