

CMPE344 ASSIGNMENT # 4 Due: 30.07.2006 Sunday 23:59

In this assignment, you will implement the following operations:

- Read an n-digit decimal number (call it X) entered from keyboard, ($n \leq 4$)
- Multiply that number by 7 (so obtain 7X),
- Then display the result (7X) in the screen.

You should implement this final assignment and use a86 to assemble it. Your codes should be assembled and the *.com file run, should properly carry out the operations listed above. Your assignments will be graded with these criteria. Some example I/O are given below:

INPUT	OUTPUT
0	0
51	357
150	1050
2001	14007

You should use the interrupt (int 21h) operations for character reading and displaying. You should also end your programs properly (i.e. not just 'nop'). Furthermore, to do the multiplication operation, you should use your multiplication code in assignment # 2 as a procedure, you are not allowed to use MPY command.

Grading details

First 3 assignments are each 3%. This final assignment is 6 %.

What/How to submit

The file name should be "YourStudentNo.ASM". Send the *.ASM file to turhanb@boun.edu.tr with subject line 'Cmpe344 assignment 4' no later than 30.07.2006 23:59. GOOD LUCK!