

# MICROPROC & INTERFACING EEE F241 ECE F241 INSTR F241

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## Evaluated lab-2 (Monday batch)

Write an 8086 assembly-level program to find all the factors of a given 32-bit number. The number is initially stored in the location DS:2000. The factors should be stored at location starting from location DS:2004. Assume each factor is stored as 16-bit number. Verify your program by storing 0x3C0 at location DS:2000. Its factors, 1 should be stored at location DS:2004, 2 at location DS:2006, 4 at DS:2008 etc.

Factors of 0x3C0 are 0x1, 0x2, 0x3, 0x4, 0x5, 0x6, 0x8, 0xA, 0xC, 0xF, 0x10, 0x14, 0x18, 0x1E, 0x20, 0x28, 0x30, 0x3C, 0x40, 0x50, 0x60, 0x78, 0xA0, 0xC0, 0xF0, 0x140, 0x1E0, 0x3C0

## Submission status

Submission status	This assignment does not require you to submit anything online
Grading status	Not graded
Due date	Monday, 4 March 2024, 12:15 PM
Time remaining	20 mins 27 secs
Last modified	-
Submission comments	<a href="#">+ Comments (0)</a>

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