

# HW9

- Due Apr 21 by 5pm
- Points 100
- Submitting a file upload
- File Types docx, pdf, asm, and lst
- Available Apr 11 at 8am - Apr 24 at 5pm

This assignment was locked Apr 24 at 5pm.

## HW # 9: Theme: Advanced Procedures, Stack Parameters, Locals and BCD

*(All main questions carry equal weight. Credit awarded to only those answers for which work has been shown.)*

1. Write a procedure named *Arithmetic Expression which computes  $X=A+ B - C$* . The 32-bit variables A, B, and C must be passed as value to the stack. The value X should be returned on the top of the stack upon return from the procedure and its address must be returned as reference in the register EDI of the program.
2. Draft a program that adds 8-digit BCD numbers. Please display the two input 8-digit numbers and the result on the screen. Please try 3 different 8-digit numbers.

Please embed your code into your homework solution along with a screen shot post execution.