CS238 ASSEMBLY LANGUAGE PROGRAMMING
PROGRAMMING ASSIGNMENT 3
DUE DATE: 04/04/2011, 2359 HRS
POINTS: 50 (25+25)

Program 1:

Write a program to find the **permutation** of two given numbers **P(n, r)**. Your program should contain three procedures: **main, fact, and myDiv.** Procedure **main** will contain the body of the main program. Procedure **fact** will have the program for finding a factorial of a given number; you can use the program you wrote for 'Program 1' for this purpose. Procedure **myDiv** will have the program for division.

P (n, r) ➔ nPr = n! / (n-r)!

Submit: A flow chart, .asm file, list file and the executable file for each of the program.

Program 2:

Write a program to separate even numbers and odd numbers in a given array (at least 15 values) and store them in even and odd arrays respectively.

Example:
Input WORD < values >
Even WORD …
Odd WORD …

NOTE: Use only instructions covered in class so far.

.zip folder format: [WSU email ID]PA3.zip
Example: axjastiPA3.zip
Contents: *.asm, *.lst, *.exe and flowchart.