CS238 ASSEMBLY LANGUAGE PROGRAMMING
PROGRAMMING ASSIGNMENT 2
DUE DATE: 03/28/2011, 2359 HRS
POINTS: 40 (15+15+10)

Program1:

Write a program to find the **factorial** of a given number. The input is user given. Final output is printed out on to the screen.

Program2:

Write a program to generate the **Fibonacci series** and print it out on the screen for the first 10 numbers. Initial two inputs are user given.

Program 3:

Try the following code and explain what does this program do? Fix any syntax errors

```
.data
        Input DWORD  0Fh, 3Fh, 9Fh, 0BFh, 0FFh

.code
        Mov cx, 04h
        Mov esi, 00h
L1:     Mov eax, input+esi
        Call SetTextColor
        Call Randomize
        Inc esi
        Inc esi
        Inc esi
        Inc esi
        Loop l1
        Exit
```

Submit: executable file and your explanation written in notepad (.txt file)

NOTE: Use only instructions covered in class so far.

.zip folder format: [WSU email ID]PA2.zip
Example: axjastiPA2.zip
Contents: *.asm, *.lst, *.exe and flowchart.