**In-Class Exercise # 4 – “Start Assembly Programming”**

Due Day: 2017/03/09, Thursday, 22:00

Objective: To understanding how to use loop in assembly language.

Explanations：

1. Use the course content to learn using loop in assembly language. Use loop to calculate multiplication table from 9\*1 to 9\*9.

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| --- |
| .data  ninenine byte 9 DUP(?)  .code  main PROC  mov ecx, \_\_\_\_\_\_  mov esi, OFFSET ninenine  L:  Do something……  loop L  main ENDP  END main |

1. Use WINdbg to shows registers and memory status when program executed and add screenshots to report in Word files.
2. Compress(.zip,.rar) the following file with the name of the group ( e.g. group\_1.zip)
   * 1. Code(\*.asm)
     2. Report(\*.doc)
        + Report Title
        + Group, name, student ID
        + Program execution flow, memory (register) status
        + Screenshots description code Description
        + Reviews
3. To update the contents of report can be directly re-upload file with the name of version (e.g. Group\_1\_v2.zip)

Note：

1. Each group, one report
2. Upload the report to (<http://lms.ncu.edu.tw/ncu>) before 22:00.