**In-Class Lab 10 – “String Copy”**

Due Day: 2022/11/29, Tuesday, 12:00P.M.

**GOAL : Copy the first group member's ID to end of the second member's ID, and print the result.**

|  |
| --- |
| INCLUDE Irvine32.inc  Str\_copyN PROTO,      source:PTR BYTE,   ; source string address      target:PTR BYTE,   ; target string address      maxChars:DWORD     ; maximum number of characters to copy  main EQU start@0  .data  string\_1 BYTE "\_\_\_\_\_\_\_\_\_",0    ;Fill in first student’s id  string\_2 BYTE "\_\_\_\_\_\_\_\_\_",0    ;Fill in second student’s id  .code  main PROC      INVOKE Str\_copyN,        ; copy string\_1 to string\_2        OFFSET string\_1,        OFFSET string\_2 + 9,        (SIZEOF string\_2) - 1 ; save space for null byte      ; display the destination string:      mov  edx, OFFSET string\_2      call WriteString      call Crlf      call WaitMsg      exit  main ENDP    Str\_copyN PROC USES eax ecx esi edi,      source:PTR BYTE,        ; source string      target:PTR BYTE,        ; target string      maxChars:DWORD       ; max chars to copy  ; Copy a string from source to target, limiting the number of  ; characters to copy by maxChars.  ; The value in maxChars does not include the null byte.      \_\_\_ \_\_\_,\_\_\_\_\_\_    ; set counter for REP      \_\_\_ \_\_\_,\_\_\_\_\_\_    ; assign source      \_\_\_ \_\_\_,\_\_\_\_\_\_    ; assign target      \_\_\_              ; clear direction flag (direction = forward)      \_\_\_ \_\_\_\_\_         ; copy the string      mov \_\_, 0         ; set null byte      \_\_\_\_\_             ; append null byte      ret  Str\_copyN ENDP  END main |

Report：

* Deadline : 2022/11/29(Tue.) Before 12:00 P.M. (12 noon) (EEClass)
* Each group only needs to submit one report
* Pack the following files and compress it into .zip file.
* Zip file name -> (ex: lab10\_groupX.zip)
  1. Code (lab10\_groupX.asm)
  2. Report (lab10\_groupX.doc or  lab10\_groupX.pdf)
     + Title
     + Group、StudentID、Name
     + Screenshots of Result and Code + Explanation
     + The report has to clearly explain how the program works.
     + Thoughts about the lab.
* Please must be aware of the file name.
* If you want to update your file, please give a new file name (ex: lab10\_group01\_v2.zip).