

;-----1-----2-----3-----4-----5-----6-----7-----

;

;     Program:     Project1.asm

;     Project#:     1

;     Name:

;     Class:        CS2810

;     Date:         1 Nov 2014

;     Version:     1.0

;

;     Ethics:       I declare that the following source code was written

;                   solely by me. I understand that copying any source

;                   code, in whole or in part, constitutes cheating,

;                   and that I will receive a zero grade on this

;                   project if I am found in violation of this ethic.

;

;                   X \_\_\_\_\_

;

;     Description:   Print out template then

;                   get a character from the keyboard and print it out

;

;

;-----1-----2-----3-----4-----5-----6-----7-----

```

.ORG x3000          ;start of program

    lea    r0, classHeader ;point to class string

    trap   x22          ;print string out

    ld     r0, newLine   ;get carriage return

    OUT                    ;print it out

    lea    r0, termination ;point to termination string

    PUTS

    trap   x25          ;stop the program

;-----1-----2-----3-----4-----5-----6-----7-----
;
;    Static Memory Allocation
;
;-----1-----2-----3-----4-----5-----6-----7-----

answer    .BLKW  x1      ;save for answer

          .BLKW  x10      ;stack store

stack     .FILL  xFFFF    ;start of stack

;constants

classHeader .STRINGZ      "CS 2810-601\nStudent Name\nProject #1\n\n"

newLine     .FILL  x0A      ;newLine character

termination .STRINGZ      " Thank You \n Program execution terminated!\n"

          .END            ;end assembly directive

```