**Program 1**

INCLUDE Irvine32.inc

.data

myName BYTE "WIC170080 - SITI NUR SYAHIRAH BINTI JUDIN", 0dh, 0ah, 0

Greet BYTE "Hello World!!!", 0dh, 0ah, 0

pass\_marks DWORD 000032h

.code

main PROC

call Clrscr

mov edx, offset myName

call WriteString

mov edx, offset Greet

call WriteString

exit

main ENDP

END main

**Program 2**

INCLUDE Irvine32.inc

.data

messageMe BYTE "WIC170080 - SITI NUR SYAHIRAH BINTI JUDIN", 0dh, 0ah, 0

messageAsk BYTE "Enter your exam mark: ", 0dh, 0ah, 0

messagePass BYTE "PASS", 0dh, 0ah, 0

messageFail BYTE "FAIL", 0dh, 0ah, 0

pass\_marks DWORD 000032h

.code

main PROC

call Clrscr

mov edx, offset messageMe

call WriteString

mov edx, offset messageAsk

call WriteString

call ReadInt

mov ebx, eax

mov ecx, pass\_marks

CMP ebx, ecx

JG pass\_routine

mov edx, offset messageFail

call WriteString

exit

pass\_routine: mov edx, offset messagePass

call WriteString

exit

main ENDP

END main

Program 3

TITLE Name of the student

INCLUDE Irvine32.inc

.data

myMessage BYTE "Which one of these is a fruit?",0dh,0ah,0

opt1 BYTE "A. Cauliflower",0dh,0ah,0

opt2 BYTE "B. Gorilla",0dh,0ah,0

opt3 BYTE "C. Tomato",0dh,0ah,0

opt4 BYTE "D. Cheese",0dh,0ah,0

myMessage2 BYTE "Your answer is: ",0

Failed BYTE "You failed :(",0dh,0ah,0

Passed BYTE "You Passed :)",0dh,0ah,0

stringIn BYTE 3 DUP (?);size of string+1

passingMark BYTE "C",0

passingMark1 BYTE "c",0

.code

main PROC

mov edx, OFFSET myMessage

call WriteString

mov edx, OFFSET opt1

call WriteString

mov edx, OFFSET opt2

call WriteString

mov edx, OFFSET opt3

call WriteString

mov edx, OFFSET opt4

call WriteString

mov edx, OFFSET myMessage2

call WriteString

mov edx, OFFSET stringIn

mov ecx, 2;size of string

call ReadString

INVOKE Str\_compare, addr stringin, addr passingMark

JE Pass

INVOKE Str\_compare, addr stringin, addr passingMark1

JE Pass

;mov ecx, passingMark1

;cmp ebx, ecx

;JG Pass

mov edx, OFFSET Failed

call WriteString

exit

Pass: mov edx, OFFSET Passed

call WriteString

exit

main ENDP

END main

Program 4

INCLUDE Irvine32.inc

.data

myName BYTE "WIC170080 - SITI NUR SYAHIRAH BINTI JUDIN", 0dh, 0ah, 0

myAsk BYTE "How many lines are required?: ", 0

myAns BYTE "\*", 0

newline BYTE 0dh, 0ah

.code

main PROC

mov edx, offset myName

call WriteString

mov edx, offset myAsk

call WriteString

call readInt

mov ecx, eax

mov ebx, 1

L1:

push ecx

mov ecx, ebx

L2:

mov edx, offset myAns

call WriteString

loop L2

mov edx, offset newline

call WriteString

inc ebx

pop ecx

loop L1

exit

main ENDP

END main