Q1

Reversing the string:

include irvine32.inc

.data

str1 byte "step on no pete",0

.code

main proc

mov ecx,LENGTHOF str1

mov esi,ecx

dec(esi)

START:

mov al,str1[esi]

call writechar

dec(esi)

LOOP START

call crlf

exit

main endp

end main

Q2

To find power

include irvine32.inc

.data

power dword 0

var1 dword ?

var2 dword ?

.code

main proc

call readint

mov var1,eax

call readint

mov var2,eax

mov ecx,var2

dec ecx

mov eax,var1

START:

mul var1

LOOP START

call writeint

exit

main endp

end main

Q3

Finding factorial

include irvine32.inc

.data

fact dword ?

.code

main proc

xor eax,eax

mov eax,fact

call readint

mov fact,eax

mov ecx,fact

mov eax,1

mov ebx,fact

L1:

mul ebx

dec ebx

LOOP L1

call writedec

exit

main endp

end main