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;Question Number 1
          ;Construct a large integer (32 – Bit) from two Byte Variables (8 – Bit)
          ;and one Word Type variable (16 - Bit). Store your result into EAX and print it. Like if
          ;byte1 = 21h, byte2 = 43h & word1 = 8765h
          ;Then your output may be
          ;87654321h OR 43218765 OR 43876521
;Question Number 2
     ;Reverse the given string:
     ;myStr BYTE "Step on no pets",
;Question Number 4
     ; find the factorial
;Question Number 2
;Show the order of individual bytes in memory (lowest to highest) for the following double word variable
using PTR Operato
.data
     print Label dword
     val_1 byte 21h
     val 2 byte 43h
     val_3 dword 8765h
```

include irvine32.inc

;#####################################	
	;Now Question Number Two
	mystr byte "1223",0
	result byte sizeof mystr Dup(0),0
;#####################################	
	;Question Number 3 ;val1 DWORD 87654321
•	**************************************
;Question Number 4	
	;find the factroial
	fact byte 1 num byte 5
.code	
main proc	
;Answer 1	
	;xor eax ,eax
	;mov eax, print

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;call writedec
       ;call crlf
      ;call dumpregs
       ;exit
;Answer 2
       ;mov edx,offset mystr
       ;call writestring
       ;call crlf
       ;mov ecx,sizeof mystr
       ;call writedec
       ;mov esi,0
;L1:
      ;mov al,mystr[ecx-1]
       ;mov result+[esi],al
       ;call writechar
      ;call crlf
      ;inc esi
;loop L1
      ;mov edx, offset result
       ;call writestring
       ;call crlf
```

;Answer 3

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;mov ax,word ptr val1
        ;mov al,byte ptr val1
        ;call writehex
        ;call crlf
        ;mov al,byte ptr [val1+1]
        ;call writehex
        ;call crlf
        ;mov al,byte ptr[val1+2]
        ;call writehex
        ;call crlf
        ;mov al,byte ptr[val1+3]
        ;call writehex
;Answer 4
        mov ecx,5
        xor eax,eax
        mov al,fact
        mul fact
        call writedec
        call crlf
        inc fact
loop I1
```

exit

main endp

end main