





















## functions asm

```
pount-num:
                 ; push in stack you worrect order
push eda
                 ; net oremaindes to gero
more eda, o
                · check if num is yers
cmp eax,0
je done
                ; divide by 10 to get vremainder in eda
mov ebx, 10
div ebx
call print-num
                 ; aonivert to ascii digit
add ear, 'O'
mor [see ], eax
                 ; print digit
mor : ecoc, res
more eda, 1
 more ear, 4
 mou ebx,1
 int ox80
done:
               ; pop ralue since it's no longer needed
 pop eda
 viet
```

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SUB: DATE: PAGE:

	% Question - 4	Manas
	% include "functions asm"	COE198003
	esection tect	A Selection of the sele
	global - start	sadjubs and
	_utart:	Section data
	mou cax, 4 ; point message	x dw 900
	mov ebx, l	y dw 40
	mau ecx, mag	msg db Quotient:
	mos eda, den	len equ &-mog
	int ox80	mugado remaindes
	Lau to a	Jen a equ 9 - muga
	xer dx, dx	A visa em m
	mov ax, [x]	Section bss
_	mov bx, [y]	ones onestr !
	die tox ; divide	CK Pa NA
	pushed ; print quotien	
_	and poole man	
	popad	
	mov eax, 4 print / print	message
1	mov eax, 4 pount / part	
	more ent, i	whad
	more ecx, megi	Il print num
		opad
	may and pur	
	int ox80	
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SOB: DATE: PAGE:	
Question - 4, 9 Manas	
C0 E19.8003	
% cinclude "functions asm"	
Section text	
global _ islant	
_ stort:	
mov eax, 4; print message	
mov ebx, 1	
more ecx, misg	
mov edx, len	
s of this fiel:	
mor ax, GI	
mov bx, [4] must drive the move that	
xer ax, bx; perform xon	
ding - Living Grant	
pushad	
call print-num; print number	
pepad	
Ski albert	
moo eax, exit	
int 0x80	
Section dela	
or dw 640	7.
i. dw 766	
msg db. Logical - Xor is	
Jen equ 8-msg	
election. bss	
ores orest 1	

## Questión - 10

% unclude " functions asm" section text global - start - start mov eax, 4 mov ebx, 1 mov ecx, mag more eda, len int 0x80 mor ax, [2] ; left whift by 3 ishlax, 3 pushad ; print\_num icall print num popad more eax, 1 int 0x80 Section data x dw 128 msg db' The visult after the by 3' Section bas cours overs 1