Programas en Macro Assembler

Carlos Mullisaca Choque cmullisaca3@umsa.bo

Universidad Mayor de San Andrés
Facultad de Ciencias Puras y Naturales
Carrera de Informática

Gestión 2017

```
.model small
.stack
.data
m1 db 10,13,"num : $"
m2 db 10,13,"Res :$"
n1 db 4,0,4 dup(0)
n2 db 4,0,4 dup(0)
resu db "xxxx$"
```

```
.code
begin:
mov ax,@data
mov ds,ax
mov ah,9
lea dx,m1
int 21h
mov ah, 10
lea dx,n1
int 21h
```

```
mov ah,2
mov dl,10
int 21h
mov dl,13
int 21h
lea bx,n1
mov dl,[bx+1]
add dl,30h
int 21h
```

```
mov cx,0
mov cl,[bx+1]

mov ah,9
lea dx,m1
int 21h
mov ah,10
lea dx,n2
int 21h
```

```
lea di,n1
lea si,n2
lea bx, resu
mov dh,0
add di,4
add si,4
add bx,3
ciclo:
mov ax,0
mov al, [di]
mov dl,[si]
add al,dl
aaa
```

```
add al,dh
mov dh,ah

add al,30h
mov [bx],al
dec di
dec si
dec bx
loop ciclo
```

```
add dh,30h
mov [bx],dh
```

mov ah,9
lea dx,m2
int 21h

lea dx,resu
int 21h

mov ah,4ch int 21h end begin

Programa 2: Resta Ascii

```
.model small
.stack
.data
Res db 0
n1 db 0
n2 db 0
m1 db 10,13,"numero : $"
m2 db 10,13,"resta : $"
nlin db 10,13,"$"
```

Programa 2: Resta Ascii

```
.code
begin:
mov ax,@data
mov ds,ax
mov ah,9
lea dx,m1
int 21h
mov ah,1
int 21h
mov n1,al
```

Programa 2:Resta Ascii

```
mov ah,9
lea dx,m1
int 21h
mov ah,1
int 21h
mov n2,al
mov al,n1
sub al,n2
aas
mov res,al
```

Programa 2: Resta Ascii

```
mov ah,9
lea dx,m2
int 21h
jnc fin ;jnc:salta si no hay acarreo
mov bl,10
sub bl,res
mov res,bl
mov ah,2
mov dl,2dh
int 21h
fin:
```

Programa 2:Resta Ascii

```
add res,30h
mov ah,2
mov dl,res
int 21h
```

mov ah,4ch int 21h end begin