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| --- |
| %include "along32.inc"  section .data  intA dq 0; total dq 0; average dq 0; counter dq 0;  msg1 db "I will average the numbers you enter.", 0 msg2 db "Enter a value. Once finished enter a 0.", 0 input db "Please enter a value.", 0 avg db "The average is: ", 0 zeromessage db "A zero was entered.", 0 confirm db "Confirm you are finished by entering in another 0, if you are not enter a 1", 0   section .text  global \_start   \_start:  mov edx, msg1  call WriteString  call Crlf   mov edx, msg2  call WriteString  call Crlf  jmp again  zero:  mov edx, zeromessage  call WriteString  mov edx, confirm  call WriteString  call ReadInt  mov [intA], eax  cmp eax, 0  je final  cmp eax, 1  je again   again:  mov edx, input  call WriteString  call ReadInt  mov [intA], eax  cmp eax, 0  je zero  jne next  next:  mov ebx, [total]  add eax, ebx  mov [total], eax  mov ecx, [counter]  inc ecx  mov [counter], ecx  jmp again  final:  mov eax, [total]  mov ebx, [counter]  cdq  idiv ebx  mov [average], eax  mov edx, avg  call WriteString  call WriteInt  jmp exit  exit:  mov eax, 01h  mov ebx, 0h   int 80h |