TITLE Producto - tareaBN

;Descripcion:

; Recibe e imprime n temperaturas dadas

; Donde 0 < n < 11

INCLUDE \masm32\Irvine\Irvine32.inc

INCLUDELIB \masm32\Irvine\Irvine32.lib

INCLUDELIB \masm32\Irvine\User32.lib

INCLUDELIB \masm32\Irvine\Kernel32.lib

.DATA

n DWORD ?

numTemp DWORD 1

idx DWORD 0

min SDWORD 3000

msgN BYTE "Dato n: ", 0

msgE BYTE "ERROR por n<1 o n>10; ", 0

msgT BYTE "Temperatura ", 0

msgTb BYTE ": ", 0

msgA BYTE "ADIOS.", 0

msgM BYTE "Minimo de las temperaturas: ", 0

msgP BYTE ", P", 0

msgI BYTE ", I", 0

msgO BYTE "Teclee la ", 0

msgOb BYTE " temperatura: ", 0

temps SDWORD 0

.CODE

main PROC

mov EDX, OFFSET msgN

call WriteString

call ReadInt

mov n, EAX

.IF (n < 1) || (n > 10)

mov EDX, OFFSET msgE

call WriteString

mov EDX, OFFSET msgA

call WriteString

.ELSE

.REPEAT

mov EDX, OFFSET msgO

call WriteString

mov EAX, numTemp

call WriteInt

mov EDX, OFFSET msgOb

call WriteString

call ReadInt

mov ESI, OFFSET temps

mov EBX, idx

ADD ESI, EBX

mov [ESI], EAX

.IF EAX < min

mov min, EAX

.ENDIF

ADD EBX, 4 ; checar si no suma directo

mov idx, EBX

mov EAX, numTemp

inc EAX

mov numTemp, EAX

.UNTIL EAX > n

mov EDX, OFFSET msgM

call CrLf

call WriteString

mov EAX, min

call WriteInt

call CrLf

call CrLf

mov EAX, idx

SUB EAX, 4

mov idx, EAX

.REPEAT

mov EAX, numTemp

dec EAX

mov numTemp, EAX

mov EDX, OFFSET msgT

call WriteString

call WriteInt

mov EDX, OFFSET msgTb

call WriteString

mov ESI, OFFSET temps

mov EBX, idx

ADD ESI, EBX

mov EAX, [ESI]

call WriteInt

mov EDX, 00000000

mov ECX, 2

idiv ECX

.IF EDX != 0

mov EDX, OFFSET msgI

.ELSE

mov EDX, OFFSET msgP

.ENDIF

call WriteString

call CrLf

SUB EBX, 4

mov idx, EBX

mov EAX, numTemp

.UNTIL EAX == 1

call CrLf

call CrLf

mov EDX, OFFSET msgA

call WriteString

.ENDIF

main ENDP

END main