Q1

divide proc; dividend in eax, divisor in enx cmp eax, 5h j g endd mor edx,0 div ebx

call divide

endd:

ret

divide endp

02

include rovine 32 inc

·data

found mry byte "Found: ", o

not-foundmry byte "not bound", o

arr Sire dword?

call scadint

mor ebx, eax

mor esi, bffset ass

mor edx, lengt ass

mor ass Size, edx

mor esi, offset aro

invoke find pal, esi, ecx, asosize, ebx

exit main endp

find val proc uses eax, esi, eck, edx, ebx

il notfound

mos ear, Eesitecx *4J

comp ear, ebx

je hourd

mvoke Andral, esi, ecx, edr, ebx

rel

found:

Mc ear

mor edx, offset hundrusg call write string mor eax, ech call write dec

not hond,

mou edx, offset nothornalmsg call write strong

had val endp

end main

q3 Saturday, November 30, 2024 11:51 PM Q3 include isvine 32 inc · data tyte "This is a source string",0 Source sometring by to 256 dup (?) dword ? Stolen ind dword o ·code moun proc mou edx, other sousee call 5 to length mou stelen, eax mor celi, offset something mor esi, offset sousace nou ecx, strlen next chois: nou al, byte pto [esi] test al. 01 je done nou ebx, offset larget nou celx, ind ahial mero mor ecx, edx cld repe scasb jz skipchers mou byte pto [esi], al inc edi inc ind. 514ip Chews. inc esi loop nextchers done: mou byte pto Eedi], o nou edx, offset larget all won't estone

main enelp

```
q4
Sunday, December 1, 2024
        12:01 AM
   . data
     prompt byte "Entero String",0
cha byte "a/A",0
           by & " e/ E", O
       che
            by te " ;/I", (8
       chi
       cho byte "0/0",0
       chy byte "u/U",0
             duos do
       Count a
       counté duosd o
       y count for i,0,4.
       støInput byte 50 dup(?).
  · rode
  main Proc
         nov edx, offset poompt
          call write stoing
          mor cdx, oblset stoInput
          call readstring
           mor esi, offset stoInput
        nex+ charx.
               al, byte pto Lesi3
            MOU
               al, O
            Conp
            je display court
                  al, a'
            cmp
            je inc_A
                 al, 'A'
            cm p
           je
                  inc-A
                 al, 'e'.
            cmp
                 inc-E
            je
                  al, 'E'
            cmp
                   inc_E
            ie
                   al, ';',
            cmp
                  in c-I
             je
                   al, 'I'
             cmp
                   inc_I
            je
                   al, (o).
            mp
             je
                  in c-0
                 al, 'o'
             cmp
            je 120-0
                 al, 'u'.
            cmp
            je in c-U
                al, 'U'
            cmp
            je inc_V
            inc esi
               next Chars
            jmp
    inc_ A:
           jnc count A
           inc esi
           imp next-ches
     inc-E:
            mc count-E
             inc esi
             jmp next-ches
      inc_I :
             mc count I
              inc esi
              imp next-ches
        inc _ 0 :
               jnc counto
               inc esí
               jmp next-ches
         inc - U:
               in c coont U
                inc esi
                imp next ches
       display count.
             mou eax, coontA
             mou edx, offset cha
             cell writestong
            call write dec
             mou eax, coonte
             mou edx, offset che
             cell writestong
            call write dec
              mou exx, coont I
              mou edx, offset chi
              cell writestong
               call write dec
               mou eax, count o
               mou edx, offset cho
               cell writestony
              cull write dec
               mou eax, coont u
               mou edx, offset chu
               cell writes torry
               cell wrîte dec
    exit
    main Endp
    end mein
```

include i suine 32:inc

-data

msy byte "diff valves",0 msy 1 Byte "same valves",0

· code

diff Inpotes proto : dword, : dword, : dword

main proc

mou eax, 1

mou cbx, 2

mou ecx, 3

call diff Inputs

mov edx, offset meg

call writestring

call writedec

mov cax, 1

mor obx, 1

mov ccx, 1

call diff Inputs

mor cdx, offset msg1

call writestring

call write dec

exit man endp

diff Typut proc: dword, : dword, : dword

comp carx, ebx

je Sune voil

cmp ebx, eax

je same val

cmp eax, ecx

je saneval

mor cax, 1

vet 1

Same val:

mor eax, O

set

diff Input enelp

end main

include isviñe 320 inc

· duter

St81 byte "###ABC",0

-code

meun proc

l 1:

mou al, [edx]

compalio

je done

cmp al, [csp+4]

jne done

mc eda

loop l1

done:

 $ecx_1 edx$ mor

esi, offset st& 1 mov

edi, ecx mov

cld

movsb Sep

edx, offset sto1 mov

writestring cull

exit

main endp