Arturo Rivera

Professor Wilson

CIS 11

Assignment 6

Section 5.9 Programming Excercises

7.

ExitProcess PROTO

WriteInt64 PROTO

WriteString PROTO

Crlf Proto

ReadInt64 PROTO

Random64 PROTO

.data

.code

main proc

mov rdx,100

XOR rdx,rdx

call Random64

mov rcx,100

div rcx

mov rcx,rdx

L1:

mov rax,rcx

call WriteInt64

Loop L1

call ReadInt64

call Crlf

; loop random number of times

; get a random number

; write our random number to the screen

; end loop

call ReadInt64

main endp

end

10.

ExitProcess proto

WriteInt64 proto

Crlf proto

.data

nMinus2 QWORD 0

nMinus1 QWORD 1

n QWORD ?

.code

main proc

mov rcx, 47

mov rax, nMinus2

call WriteInt64

call Crlf

mov rax, nMinus1

call WriteInt64

call Crlf

STARTLOOP:

mov r9, nMinus2

add r9, nMinus1

mov n, r9

mov rax, n

call WriteInt64

call Crlf

mov r9, nMinus1

mov nMinus2, r9

mov r9, n

mov nMinus1, r9

LOOP STARTLOOP

call ExitProcess

main endp

end