.data

promptHr BYTE "Enter hour of get up time: ",0

promptMin BYTE "Enter minute of get up time: ",0

promptSnooze BYTE "Enter number of minutes of snooze: ",0

.code

main PROC

mov edx, OFFSET promptHr ; moves promptHR into edx

call writeString ; Writes out "Enter hour of get up time"

call readDec ; Takes user input for hour of get up time, stores in eax

mov edx, OFFSET promptMin ; moves promptMin into edx

call writeString ; Writes out "Enter minute of get up time"

mov ecx, eax ; Stores hour in edx

call readDec ; stores minutes in eax

mov ebx, 0 ; stores minutes in ebx

mov ebx, eax

mov edx, OFFSET promptSnooze ; moves promptSnooze into edx

call writeString ; Writes out "Enter num of min of snooze"

call readDec ; Stores min of snooze into eax

; hr: ecx, min: ebx, snoozeMIn: eax

; swap ecx and eax

xchg ecx, eax

; Convert Hours to Min

mul 60 ; result in edx

add edx, ebx ; Add min to hours (in minute form)

sub edx, ecx ; Subtracting snooze time from total

; Convert back to hrs and min

exit

main ENDP

END main