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Lab Task: 4
Code:
.MODEL SMALL
.STACK 100h
.DATA
  msg1 db "Enter First Number:$"
 msg2 db "Enter Second Number:$"
 msg3 db "Enter Third Number:$"
 msg small db "Smallest Number: $"
.CODE
MAIN PROC
 mov ax, @data
  mov ds, ax
  ;First Number
  mov ah, 09h
 lea dx, msg1
  int 21h
  mov ah, 01h
  int 21h
  sub al, 30h
  mov bl, al
              ; Store first number in BL
  mov ah,02h
  mov dx,0dh
  int 21h
  mov dx,0ah
  int 21h
  ;Second Number
  mov ah, 09h
  lea dx, msg2
  int 21h
  mov ah, 01h
  int 21h
  sub al, 30h
  cmp al, bl
  jl store second
```

```
jmp check_third
store_second:
  mov bl, al
check_third:
mov ah,02h
  mov dx,0dh
  int 21h
  mov dx,0ah
  int 21h
  ;Third Number
  mov ah, 09h
  lea dx, msg3
  int 21h
  mov ah, 01h
  int 21h
  sub al, 30h
  cmp al, bl
  jl store_third
  jmp display
store_third:
  mov bl, al
  mov ah,02h
  mov dx,0dh
  int 21h
  mov dx,0ah
  int 21h
display:
  ; Display result message
  mov ah, 09h
  lea dx, msg small
  int 21h
  ; Convert smallest number to ASCII and print
```

mov ah, 02h add bl, 30h mov dl, bl int 21h

; Exit mov ah, 4Ch int 21h

MAIN ENDP END MAIN

Output:

