Task-1:

|  |
| --- |
| **Lower case to upper case** |
| .MODEL small  .STACK 100h  .DATA  .CODE  MAIN PROC  mov ah,01h  int 21h  mov bl,al  sub bl,20h    mov ah,02h ;new line  mov dx,0Dh  int 21h  mov dx,0Ah  int 21h    mov ah,02h  mov dl,bl  int 21h    end:  mov ah,4Ch  int 21h    MAIN ENDP  END MAIN |

Task-2

|  |
| --- |
| **Upper case to Lower case** |
| .MODEL small  .STACK 100h  .DATA  .CODE  MAIN PROC    mov ah,01h  int 21h  mov bl,al  add bl,20h    mov ah,02h  mov dx,0Dh  int 21h  mov dx,0Ah  int 21h    mov ah,02h  mov dl,bl  int 21h    end:  mov ah,4Ch  int 21h    MAIN ENDP  END MAIN |

Task-1:

|  |
| --- |
| **Adding two numbers** |
| .MODEL small  .STACK 100h  .DATA  msg1 db "Enter first number: $"  msg2 db "Enter second number: $"  msg3 db "Summation of the numbers is: $"  .CODE  MAIN PROC  mov ax,@DATA  mov ds,ax    mov ah,09h  lea dx,msg1  int 21h    mov ah,01h  int 21h  mov bl,al    mov ah,02h  mov dx,0Dh  int 21h  mov dx,0Ah  int 21h    mov ah,09h  lea dx,msg2  int 21h    mov ah,01h  int 21h  mov bh,al    mov ah,02h  mov dx,0Dh  int 21h  mov dx,0Ah  int 21h    mov ah,09h  lea dx,msg3  int 21h    mov ah,02h  add bl,bh  sub bl,30h  mov dl,bl  int 21h    end:  mov ah,4Ch  int 21h    MAIN ENDP  END MAIN |