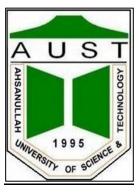
AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY



Department of Computer Science and Engineering

Program: BSc in Computer Science and Engineering

Course Code: CSE 2214

Assignment No: 01

Date of Submission: 6/6/2025

Submitted by,

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Lab Section: B-1

Question 01: Write a program to input a uppercase letter and display its corresponding lowercase letter.

Solution:

```
.model small
.stack 100h
.data
a db 'Upper Case $'
b db 'Lower Case $'
.code
main proc
   mov ax,@data
   mov ds,ax
   mov ah,9
   lea dx,a
```

int 21h

mov ah,1
int 21h
mov bl,al

mov ah,2
mov dl,10
int 21h
mov dl,13
int 21h

mov ah,9
lea dx,b
int 21h

mov ah,2
add bl,32
mov dl,bl
int 21h

```
exit:
mov ah,4ch
int 21h
main endp
```

Question 02: Write a program to read two decimal digits whose sum is less than 10 and

display them and their sum in the next line with appropriate message.

Solution:

end main

```
.model small
.stack 100h
.data
a db 'Input first digit $'
b db 'Input Second digit $'
c db 'Result $'

.code

main proc

mov ax,@data
mov ds,ax
```

mov ah,9
lea dx,a
int 21h

mov ah,1
int 21h
mov bl,al

mov ah,2
mov dl,10
int 21h
mov dl,13
int 21h

mov ah,9
lea dx,b
int 21h

mov ah,1
int 21h
mov bh,al

mov ah,2
mov dl,10
int 21h

mov dl,13 int 21h

mov ah,9
lea dx,c
int 21h

add bl,bh sub bl,48 mov ah,2 mov dl,bl int 21h

exit:
mov ah,4ch
int 21h
main endp

end main