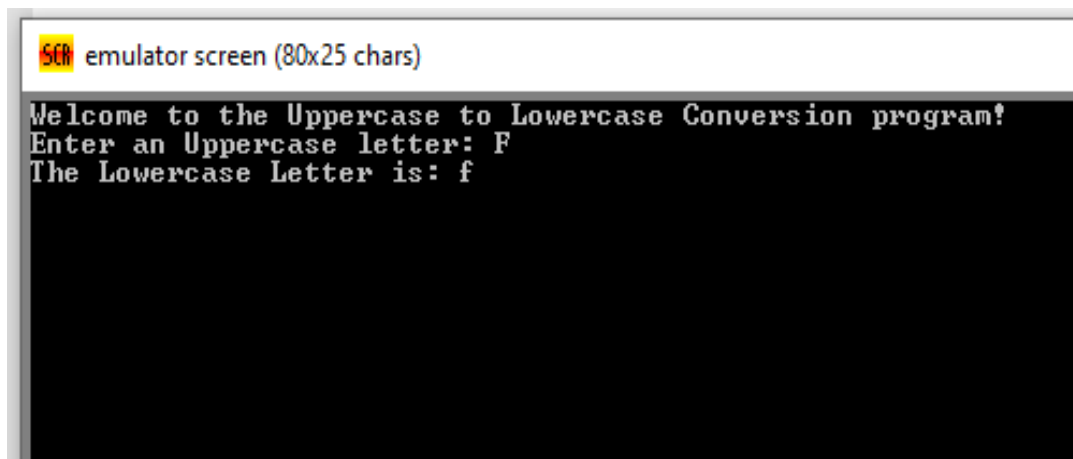


LAB HOMEWORK 1

1. Your task is to code for an “**Uppercase Letter to Lowercase Letter Conversion**” program in Assembly Language using the EMU8086 emulator software.

Your program should ask the user to input a Lowercase Letter, and it should return its Uppercase Letter.

Here's the desired output:



```
SCA emulator screen (80x25 chars)
Welcome to the Uppercase to Lowercase Conversion program!
Enter an Uppercase letter: F
The Lowercase Letter is: f
```


2. Your task is to code for a program that will **add two single-digit numbers but the sum MUST be less than 10**.

Both the numbers must be from the last 3 digits of your Student ID.
For example, Student ID “222-115-139” will use 1 and 3.

This will not be possible for some IDs like “231-115-289”. In that case, add “0” to any digit from the last 3 digits.

There must be an option for User Input.

The desired output looks like this:

 emulator screen (80x25 chars)

```
My ID is 232-115-139
User Input for first number is: 1
User Input for second number is: 3
The sum of 1 and 3 is 4
```