



Department of Computer Science and Engineering 21st Batch

Lab Report 1

Course title : Microprocessor and Assembly Language

Course Code : CSE-334

Submitted By		Submitted To	
Name ID Section Semester	: Md. Mahfujur Rahman : 192311014 : A : 9 th	Name Designation	: Rafi Ibn Sultan : Lecturer (Provisional), Varendra University, Rajshahi
Batch	: 21 st	Name Designation	: Mohammad Kasedullah : Lecturer Varendra University, Rajshahi

	Submission date: 26-01-2022
Signature	

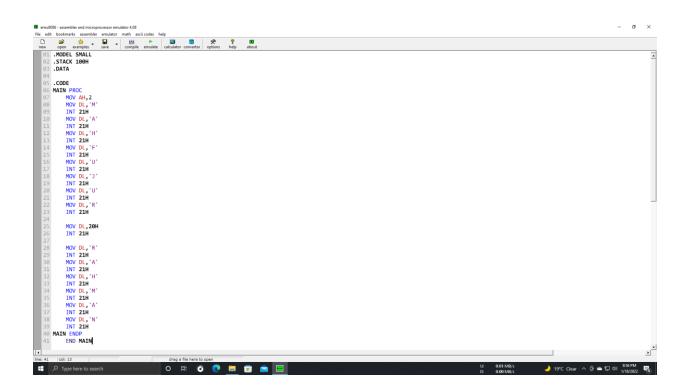
Problem Statement: Print the coder's name by Assembly code using emu8086 character by character.

Theory: To Print the coder's name by Assembly code using emu8086 character by character we will use the default assembly format to print a single character. To do so we will use 2 different registers. "AH" register as the mode of the code and "DL" to store the value which will be printed using the "INTERRUPT ROUTINE 21H". We will repeat the process for printing multiple letters. We can both use the character or their ASCII value.

CODE:

```
.MODEL SMALL
.STACK 100H
.DATA
.CODE
MAIN PROC
  MOV AH,2
  MOV DL,'M'
  INT 21H
 MOV DL,'A'
  INT 21H
  MOV DL,'H'
  INT 21H
 MOV DL,'F'
  INT 21H
  MOV DL,'U'
  INT 21H
  MOV DL,'J'
 INT 21H
 MOV DL,'U'
  INT 21H
  MOV DL,'R'
  INT 21H
```

```
MOV DL,20H
 INT 21H
 MOV DL,'R'
 INT 21H
 MOV DL,'A'
 INT 21H
 MOV DL,'H'
 INT 21H
 MOV DL,'M'
 INT 21H
 MOV DL,'A'
 INT 21H
 MOV DL,'N'
 INT 21H
MAIN ENDP
 END MAIN
```



Result:

