



বরেন্দ্র বিশ্ববিদ্যালয়
VARENDRA UNIVERSITY



Department of Computer Science and Engineering

21st Batch

Lab Report 2

Course title : Microprocessor and Assembly Language
Course Code : CSE-334

Submitted By	Submitted To
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Problem Statement: Print the coder's name by Assembly code using emu8086 character by character. Including First-name and Last-name be printed at different lines.

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 two 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**". After that, we will repeat the process for printing multiple letters. We can both use the character or their ASCII value. We will move 0A to DL for the new line, then call the interrupt, and for **Carriage Return**, we will move **0D** to **DL**.

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,0AH  
INT 21H  
MOV DL,0DH  
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
```

ID-192311014

Result:

