



A.Y. 2022-2023

Subject: Process Organization and Architecture

SAP ID: 60004220253 – Devansh Mehta

POA Experiment 10

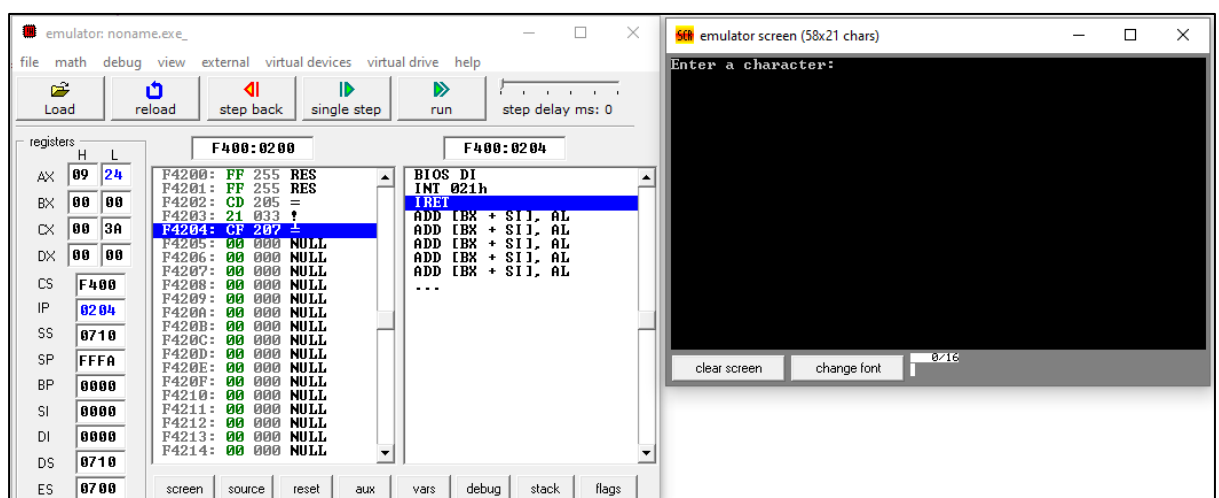
Aim: Assembly Language program for implementing DOS interrupts.

Code:

```
01 data segment
02     MSG DB "Enter a character:$"
03     data ends
04
05 code segment
06     assume cs:code ds:data
07     start:
08
09     mov ax,data
10     mov ds,ax
11     lea dx,MSG
12     mov ah,09h
13     int 21h
14
15     mov ah,01
16     int 21h
17
18     mov dl,al
19     mov ah,02
20     int 21h
21
22     mov ah,4ch
23     int 21h
24
25 code ends
26 end start
```

Output:

1. Interrupt 09H – Display string



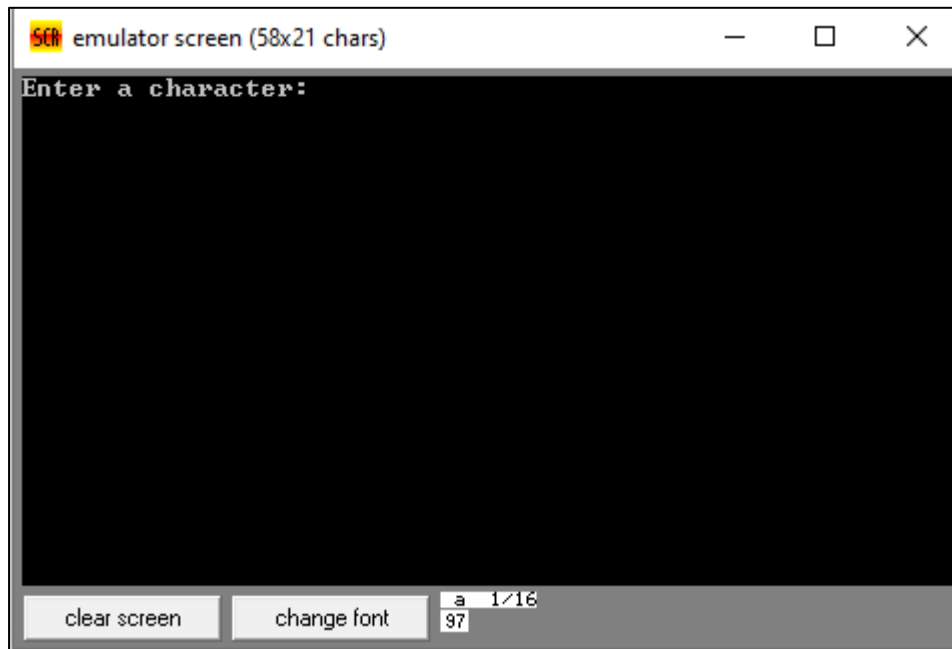


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2. Interrupt 01 – Accept input and display ascii



3. Interrupt 02 – Display input

