

EXPERIMENT 1

1. Write a program in assembly language to print “Hello World”.

CODE:-

```
org 100h
```

```
jmp start
```

```
msg:  db  "HELLO WORLD", 2Dh,5Ah, 24h
```

```
start: mov  dx, msg
```

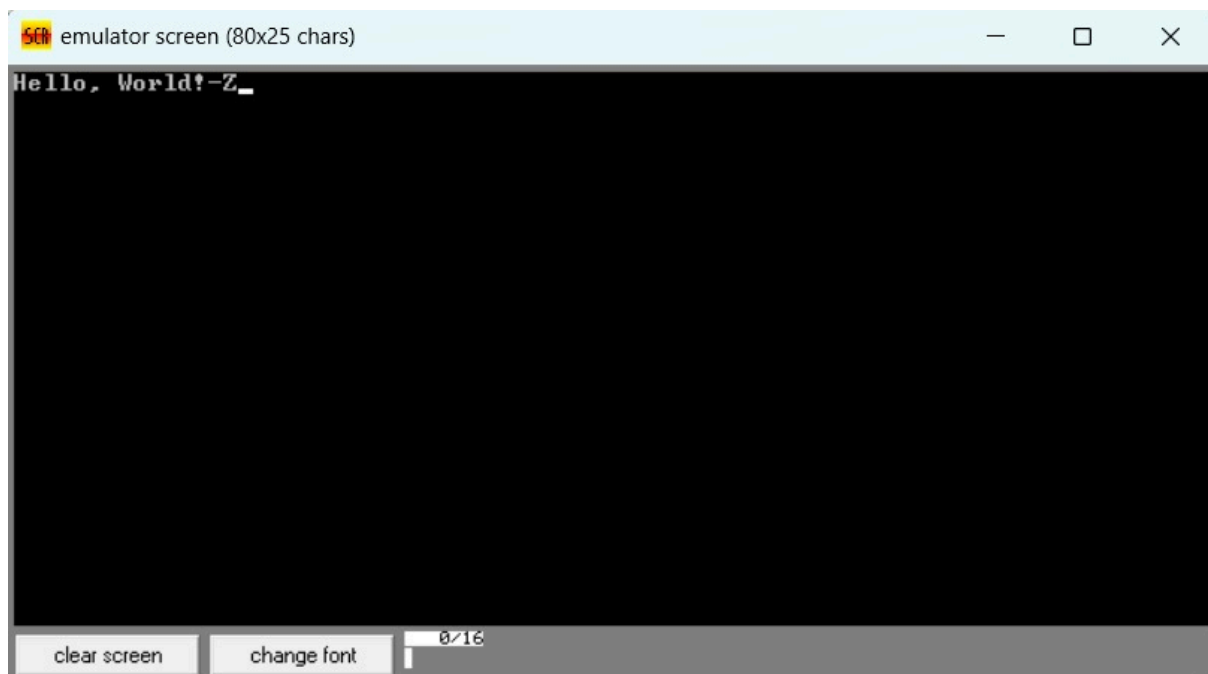
```
      mov  ah, 09h
```

```
      int  21h
```

```
      mov  ah, 0
```

```
      int  16h
```

```
ret
```



```
new  open  examples  save  compile  emulate  calculator  convertor
01
02
03  org 100h
04
05  jmp start
06
07  msg:  db      "Hello, World!", 2Dh,5Ah, 24h
08
09  start:  mov     dx, msg
10         mov     ah, 09h
11         int     21h
12
13         mov     ah, 0
14         int     16h
15
16  ret
```

2. Write an assembly language program to print your name.

CODE:-

org 100h

jmp start

msg: db "MAHIMA AGARWAL", 5Dh,7Ah, 24h

start: mov dx, msg

mov ah, 09h

int 21h

mov ah, 0

int 16h

ret



```
new open examples save compile emulate calculator convertor
01
02
03 org 100h
04
05 jmp start
06
07 msg: db "MAHIMA AGARWAL", 5Dh, 7Ah, 24h
08
09 start: mov dx, msg
10        mov ah, 09h
11        int 21h
12
13        mov ah, 0
14        int 16h
15
16 ret
```