

## **Program Code:**

```
.model small
.stack 100h
.data
name1 db 'Enter Sales Man Name: $'
var1 db 'Enter Sales Man Point 0-9: $'
sale1 db 'Sale Target Not Achieved $'
sale2 db 'Sale Target Achieved $'
alp1 db 'Invalid Key $'
star1 db '| | ***ABDUL RAFEH*** | | $'
.code
start:
Mov ax,@data
Mov ds,ax

mov ah,09
mov dx, offset star1
int 21h

mov ah,02
mov dl, 10
int 21h
```

mov ah,09

lea dx, name1

int 21h

mov ah,3fh

int 21h

mov ah,09

lea dx, var1

int 21h

mov ah, 01

int 21h

cmp al, 53

Jle Poor

cmp al, 57

Jle Brilliant

cmp al, 'A'

## Jge Alphabet

```
jmp exit
```

Poor:

```
mov ah,02
```

```
mov dl, 10
```

```
int 21h
```

```
mov ah,09
```

```
Mov dx, offset sale1
```

```
int 21h
```

```
jmp exit
```

Brilliant:

```
mov ah,02
```

```
mov dl, 10
```

```
int 21h
```

```
mov ah,09
```

```
lea dx, sale2
```

```
int 21h
```

jmp exit

Alphabet:

mov ah,02

mov dl, 10

int 21h

mov ah,09

lea dx, alp1

int 21h

jmp exit

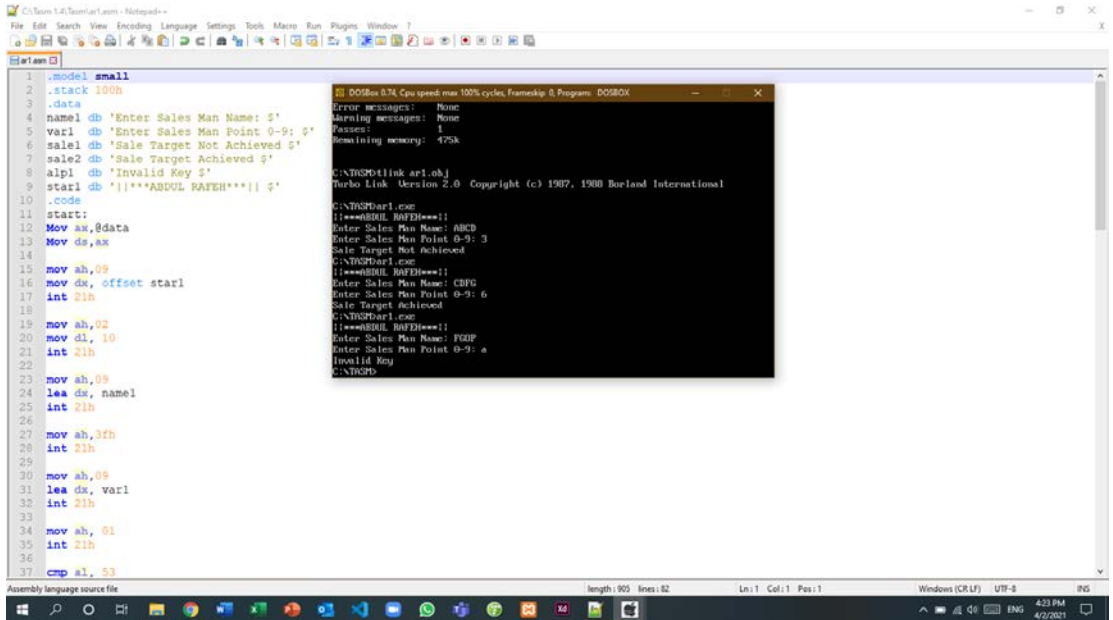
exit:

mov ah, 4ch

int 21h

end start

# Output:



The image shows a DOSBox emulator running an assembly program. The assembly code is displayed in a Notepad window, and the DOSBox window shows the program's execution output.

**Assembly Code (Notepad):**

```
1 .model small
2 .stack 100h
3 .data
4 name1 db 'Enter Sales Man Name: $'
5 var1 db 'Enter Sales Man Point 0-9: $'
6 sale1 db 'Sale Target Not Achieved $'
7 sale2 db 'Sale Target Achieved $'
8 alp1 db 'Invalid Key $'
9 start1 db '||**ABDUL RAHEEM***|| $'
10 .code
11 start:
12 mov ax,@data
13 mov ds,ax
14
15 mov ah,09
16 mov dx,offset start1
17 int 21h
18
19 mov ah,02
20 mov cl,10
21 int 21h
22
23 mov ah,09
24 lea dx,name1
25 int 21h
26
27 mov ah,3fh
28 int 21h
29
30 mov ah,09
31 lea dx,var1
32 int 21h
33
34 mov ah,01
35 int 21h
36
37 cmp al,53
```

**DOSBox Output:**

```
DOSBox 0.74, Cpu speed: max 100% cycles, Frameskip: 0, Program: DOSBOX
Error messages: None
Warning messages: None
Pages: 1
Remaining memory: 475k

C:\NIGP\dtlink ari.ahj
Turbo Link Version 2.0 Copyright (c) 1987, 1988 Borland International

C:\NIGP\dtlink.exe
[***ABDUL RAHEEM***]
Enter Sales Man Name: ABCD
Enter Sales Man Point 0-9: 3
Sale Target Not Achieved
C:\NIGP\dtlink.exe
[***ABDUL RAHEEM***]
Enter Sales Man Name: CDFG
Enter Sales Man Point 0-9: 6
Sale Target Achieved
C:\NIGP\dtlink.exe
[***ABDUL RAHEEM***]
Enter Sales Man Name: EFGH
Enter Sales Man Point 0-9: a
Invalid Key
C:\NIGP\dtlink.exe
```