

NAME: ZEHRA MOHAMMAD TAQI  
SEAT NO: B21110006167

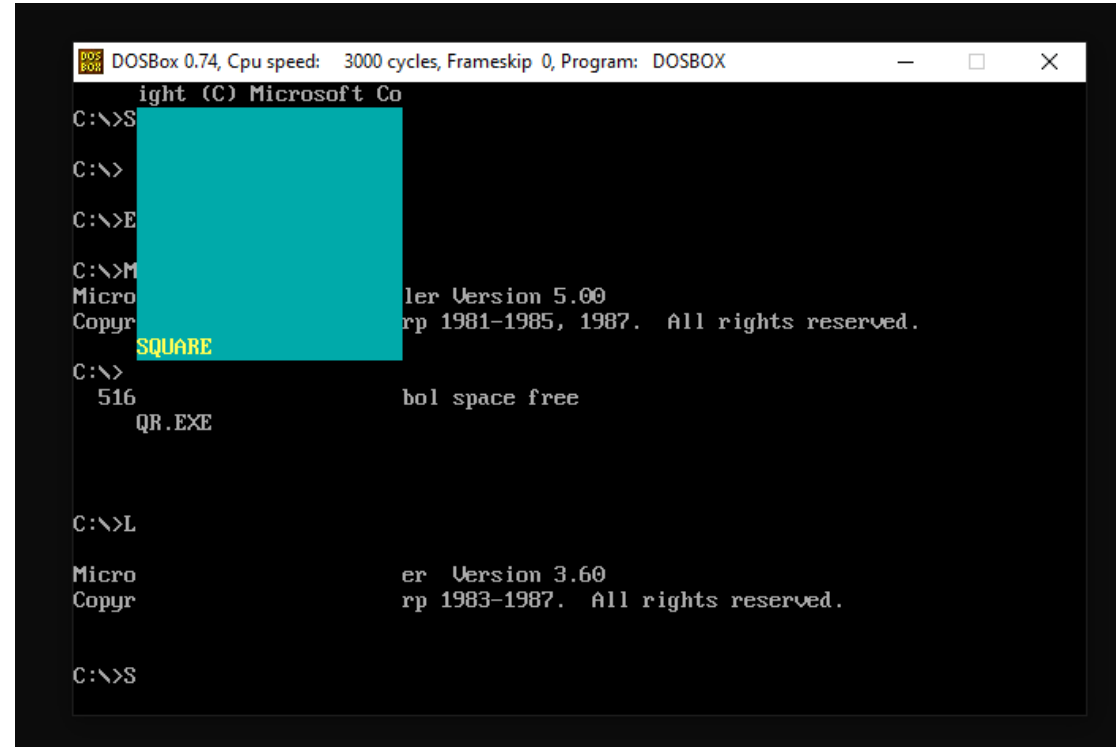
# DRAW SHAPES:

## SQUARE:

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
VAR DB 'SQUARE$'
.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX
MOV AH,6                                ;SERVICE ROUTINE
MOV AL,10
MOV BH,10111110B                        ;BLINKING STRING
MOV CH,5                                ;TOP OF THE WINDOW
MOV CL,5                                ;LEFT OF THE WINDOW
MOV DH,10                                ;BOTTOM OF THE WINDOW
MOV DL,25                                ;RIGHT OF THE WINDOW
INT 10H                                  ;INTERUPT FOR GRAPHICS

MOV AH,2
MOV BH,0
MOV DH,10
MOV DL,5
INT 10H

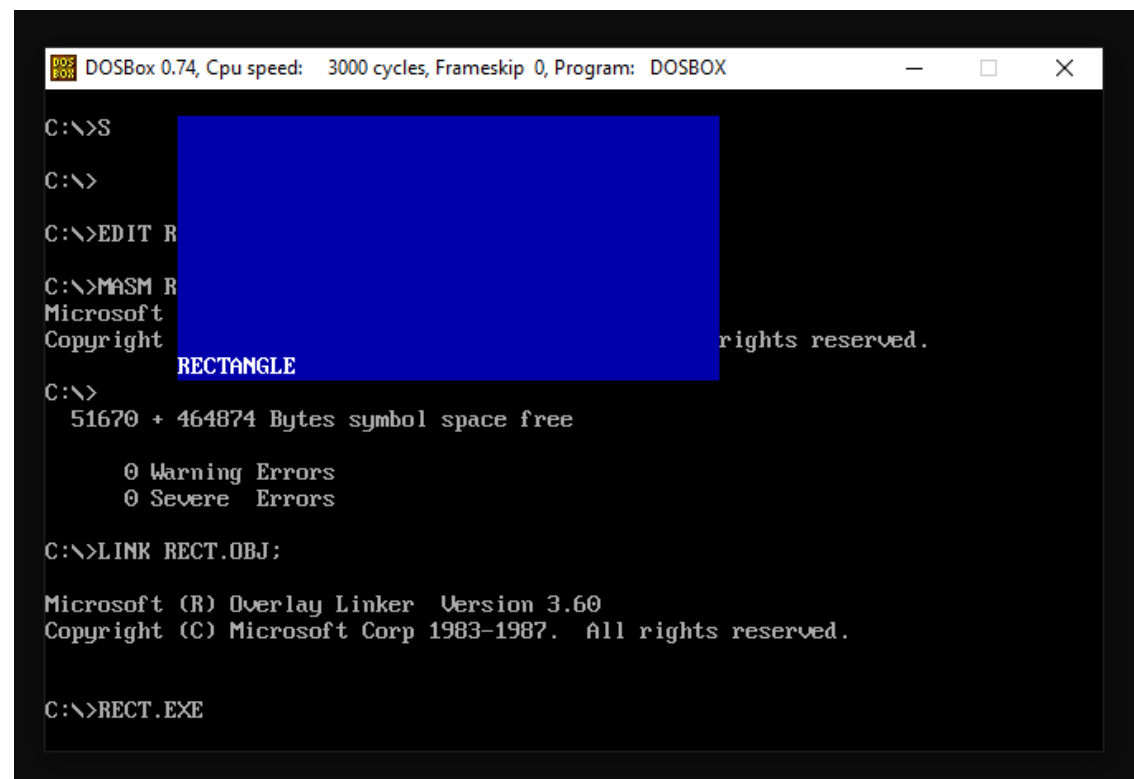
MOV DX,OFFSET VAR
MOV AH,9
INT 21H
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```



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# RECTANGLE:

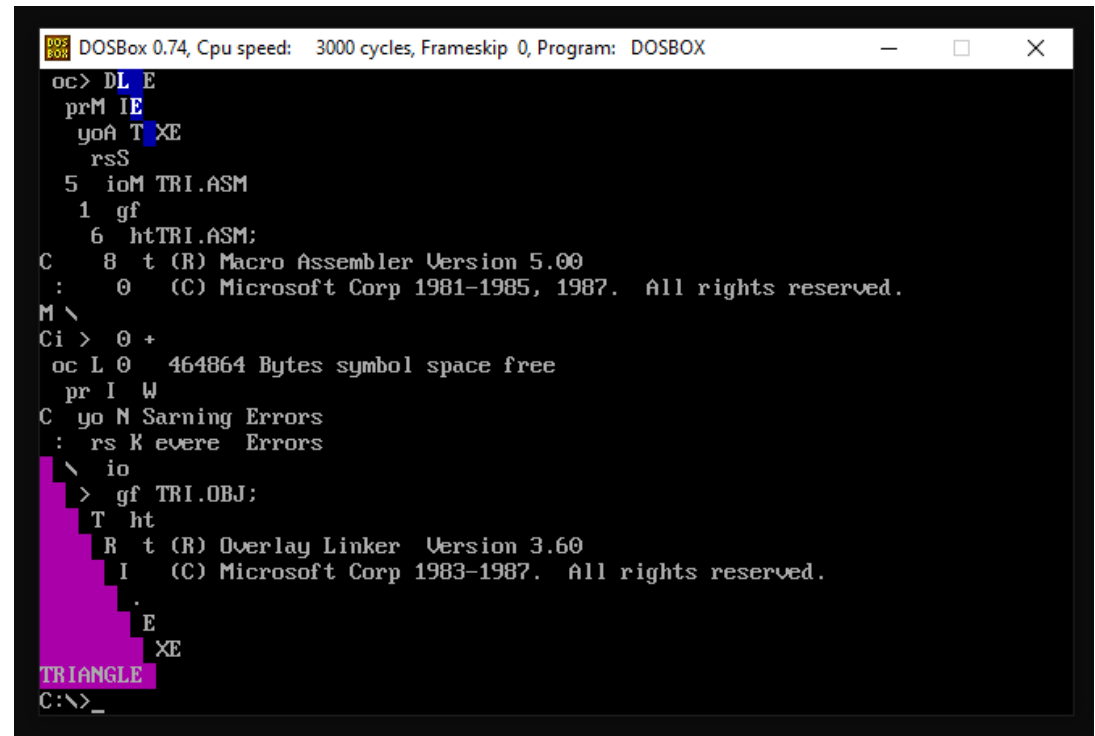
```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
VAR DB 'RECTANGLE$'
.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX
MOV AH,6
MOV AL,10
MOV BH,10011111B          ;BLINKING STRING
MOV CH,0
MOV CL,10
MOV DH,10
MOV DL,50
INT 10H
MOV AH,2
MOV BH,0
MOV DH,10
MOV DL,10
INT 10H
MOV DX,OFFSET VAR
MOV AH,9
INT 21H
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```



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# TRIANGLE:

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
VAR1 DB 'TRIANGLE$'
VAR2 DB 0
.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX
L1:
MOV AH,6
MOV AL,1
MOV BH,11010111B ;BLINKING STRING
MOV CH,0
MOV CL,0
MOV DH,25
MOV DL,VAR2
INT 10H
INC VAR2
CMP VAR2,9
JNE L1
MOV DX,OFFSET VAR1
MOV AH,9
INT 21H
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```



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# PARALLELOGRAM:

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
VAR1 DB 'PARALLELOGRAM$'
VAR2 DB 1
VAR3 DB 23
VAR4 DB 21
.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX
MOV AH,6
MOV AL,1
MOV BH,11100100B ;BLINKING STRING
MOV CH,5
MOV CL,0
MOV DH,25
MOV DL,20
INT 10H

L1:
MOV AH,6
MOV AL,1
MOV BH,01100100B
MOV CH,5
MOV CL,VAR2
MOV DH,VAR3
MOV DL,VAR4
INT 10H
INC VAR2
SUB VAR3,1
INC VAR4
CMP VAR2,4
JNE L1

MOV DX,OFFSET VAR1
MOV AH,9
INT 21H
MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

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DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX

```
C:\>  
C:\>  
:cyright (C) Microsos  
Cip fs  
Mo te  
C 1670 + 464874 Byte mbler Version 5.00  
5 s Corp 1981-1985, 1987. All rights reserved.  
0 Warning Error  
0 Severe Errors s  
s ymbol space free  
>LINK PARA.OBJ;  
\  
: rosoft (R) Overlay  
C cyright (C) Microso  
ip fL  
Mo ti  
C >PARA.EXE nker Version 3.60  
\ Corp 1983-1987. All rights reserved.  
:  
C:  
PARALLELOGRAM  
C:\>
```

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# BONUS QUSTION:

```
DOSSEG
.MODEL SMALL
.STACK 100H
.DATA
.CODE
MAIN PROC
MOV AX,@DATA
MOV DS,AX
MOV AH,6
MOV AL,0
MOV BH,00010000B
MOV CH,5
MOV CL,15
MOV DH,25
MOV DL,60
INT 10H

MOV BH,00110000B
MOV CH,7
MOV CL,17
MOV DH,23
MOV DL,58
INT 10H

MOV BH,01010000B
MOV CH,9
MOV CL,19
MOV DH,21
MOV DL,56
INT 10H

MOV BH,11110000B
MOV CH,11
MOV CL,21
MOV DH,19
MOV DL,54
INT 10H

MOV AH,4CH
INT 21H
MAIN ENDP
END MAIN
```

WHAT I WAS DOING WRONG?

I USED MOV AH,6 AGAIN AND AGAIN WHICH CAUSE  
INCORRECT OUTPUT.

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