

```
.model small
```

```
disp macro msg
```

```
    lea dx,msg
```

```
    mov ah,09h
```

```
    int 21h
```

```
endm
```

```
.data
```

```
msg1 db 0dh,0ah, "Enter X coordinate $"
```

```
msg2 db 0dh,0ah, "Enter Y coordinate $"
```

```
msg3 db 0dh,0ah, "Displayed $"
```

```
row db 02 dup(0)
```

```
col db 02 dup(0)
```

```
.code
```

```
mov ax,@data
```

```
mov ds,ax
```

```
disp msg1
```

```
mov si,offset row
```

```
call read
```

```
disp msg2
```

```
mov si,offset col
```

```
call read
```

mov si,offset row

mov ah,[si]

inc si

mov al,[si]

sub ax,3030h

aad

mov dh,al

mov si,offset col

mov ah,[si]

inc si

mov al,[si]

sub ax,3030h

aad

mov dl,al

mov ah,00

mov al,03h

int 10h

mov ah,02h

int 21h

jmp final

read proc near

mov cx,02h

back:

mov ah,01h

int 21h

mov [si],al

inc si

dec cx

jnz back

ret

read endp

final:

mov ah,01h

int 21h

mov ah,4ch

int 21h

end