

(6)

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Section : 3C

Batch : 2

papergrid

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ASCII

.model small

.data

```
msg1 db 0dh, 0ah, "Enter alphanumeric character: $"
res db 02 dup(0)
```

.code

mov ax, @data

mov ds, ax

lea dx, msg1

call disp

mov ah, 01h

int 21h

mov bl, al

mov cl, 4

```
shr al, cl ; AL = 3A, BL = 3A, CL = 03, DL = 3A
```

```
cmp al, 0ah ; BL = 3A, CL = 30, DL = 0F
```

```
jc digit ; 33, 0A
```

```
add al, 07h ; 41
```

digit : add al, 30h

mov res, al

and bl, 0fh

cmp bl, 0ah

jc digit1

add bl, 07h

digit1 : add bl, 30h

mov res+1, bl

mov ah, 00h

mov al, 03h ; Text mode

int 10h

mov ah, 02h ; Set the cursor position

mov bh, 00h ; Page number

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```
mov dh, 0ch ; Row number
mov dl, 28h ; Column value.
int 10h
```

```
mov res+2, '$'
lea dx, res
call disp
mov ah, 4ch
int 21h
```

```
disp proc near
mov ah, 09h
int 21h
ret
disp endp
end
```