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Course: Computer Organization and Architecture

Section: F

Assembly Code:

;reverse output of name

.model small

.stack 100h

.data

.code

main proc

mov ah,1

mov cx,0

l1:

int 21h

cmp al,13

je l2

push ax

inc cx

jmp l1

l2:

mov ah,2

mov dl,10

int 21h

mov dl,13

int 21h

l3:

cmp cx,0

je exit

pop ax

mov ah,2

mov dx,ax

int 21h

dec cx

jmp l3

exit:

main endp

end main

Output:

```
inc cx
jmp 11
```

12:

```
mov ah,2
mov dl,0
int 21h
mov dl,0
int 21h
```

13:

```
cmp cx,0
je exit
```

```
pop ax
```

```
mov ah,2
mov dx,ax
int 21h
```

```
dec cx
```

