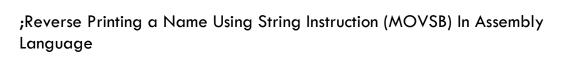
Program Code:



.model small

.stack 100h

.data

Name1 db 'HEFAR LUDBA\$'

Reversename2 db 11 dup('0\$') large array

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start:

.code

mov ax,@data Segment

mov ds,ax

mov es,ax

;Graphics Work Background Color Change

;Medium Resolution CGA

;initialize Data

;dup operator use for declaring a

```
Mov ah, 0 ;set Graphics mode
mov al,04h ;Medium Resolution mode 4
int 10h
                      ;cursor position
mov ah,0bh
            function for background;
mov bh,00h ;select background color
mov bl,6
                ;Brown O Palette
int 10h
mov ah,02 ;set cursor position
mov bh,0 ;for page
mov dh,5 ;for row
mov dl,15 ;for column
int 10h
```

lea di,Reversename2

lea si,Name1+10

std for reverse printing ;direction flag

mov cx,11 11 Because in my name Alphabet is 11	;Set count register to
MoveReverse:	
movsb DS:SI into ES:DI (movsb) Move string from one variable	;String instruction variable to another
add di,2	;Destination Index
loop MoveReverse	
mov dx, offset Reversename2	Print string
mov ah,09	
int 21h	
;LINE Down	
Mov ah,0ch	;Pixel function write
Mov ah,0ch Mov al,2 1 palette	;Pixel function write ;Pixel color Magenta
Mov al,2	
Mov al,2 1 palette	;Pixel color Magenta

LD:

int 10h

;to next column inc cx increment cmp cx,210 ;complete ile LD ;-----LINE Up-----Mov ah,0ch Mov al,2 Mov cx,115 mov dx,35 LU: int 10h inc cx cmp cx,210 jle LU Mov ah,0 ;read keyboard int 16h ;int 16h will communicate with keyboard Mov ax,3 ;set text mode

int 10h

mov ah, 4ch

;exit

int 21h

end start

Output:

