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.data

msg1 db "2\*1=","$"

msg2 db "2\*2=","$"

msg3 db "2\*3=","$"

msg4 db "2\*4=","$"

.code

main:

;print strings

mov ax,@data

mov ds,ax

mov ah,9

mov dx, offset msg1

int 21h

;save values in registers

mov al,2

mov bh,1

;multiplying

mul bh ; al=al\*bh

;save product in dl

mov dl,al

;add 30h to convert result in ascii

add dl,30h

;print result

mov ah,2

int 21h

;printing next line

mov ah,2

mov dl,10

int 21h

;printing carriage return

mov ah,2

mov dl,13

int 21h

mov ah,9

mov dx, offset msg2

int 21h

;save values in registers

mov al,2

mov bh,2

;multiplying

mul bh ; al=al\*bh

;save product in dl

mov dl,al

;add 30h to convert result in ascii

add dl,30h

;print result

mov ah,2

int 21h

;printing next line

mov ah,2

mov dl,10

int 21h

;printing carriage return

mov ah,2

mov dl,13

int 21h

mov ah,9

mov dx, offset msg3

int 21h

;save values in registers

mov al,2

mov bh,3

;multiplying

mul bh ; al=al\*bh

;save product in dl

mov dl,al

;add 30h to convert result in ascii

add dl,30h

;print result

mov ah,2

int 21h

;printing next line

mov ah,2

mov dl,10

int 21h

;printing carriage return

mov ah,2

mov dl,13

int 21h

mov ah,9

mov dx, offset msg4

int 21h

;save values in registers

mov al,2

mov bh,4

;multiplying

mul bh ; al=al\*bh

;save product in dl

mov dl,al

;add 30h to convert result in ascii

add dl,30h

;print result

mov ah,2

int 21h

end main

