Task:

[org 0x0100]

jmp start

clrscr :

push es

push ax

push cx

push di

mov ax, 0xb800

mov es, ax

xor di, di

mov ax, 0x0720

mov cx, 2000

cld

rep stosw

pop di

pop cx

pop ax

pop es

ret

detect :

push bp

mov bp, sp

push ax

push es

push di

push bx

push cx

push dx

key :

xor ax, ax

mov ah, 0x01

int 0x16

jz key

xor ah, ah

int 0x16

cmp al, 0x77

je print

cmp al, 0x61

je print

cmp al, 0x73

je print

cmp al, 0x64

je print

print :

mov cl, al

mov ax, 0xb800

mov es, ax

mov al, cl

mov ah, 0x07

mov di, 20

mov[es:di], ax

pop dx

pop cx

pop bx

pop di

pop es

pop ax

pop bp

ret

start :

call clrscr

call detect

mov ax, 0x4c00

int 0x21

