```
org 100h
 mov ah, 0
mov al, 3
int 10h
 mov cx, 10
mov bl, 1
 print_Loop:
      mov al, bl
add al, '0'
mov ah, 0eh
int 10h
      ; print new line
mov al, 13
mov ah, 0eh
int 10h
      mov al, 10
mov ah, 0eh
int 10h
       loop print_Loop
mov ah, 0
int 16h
mov ax 4c00h
int 21h
```

## ACT 2

```
2 "co
100h
                                                                                                                 file math
                                                                                                                              debug view
                                                                                                                                               external virtual devices virtual drive help
                                                                                                                                     ð
                                                                                                                                                    41
                                                                                                                                                                  1
                                                                                                                                                                                    EED!
 ov ax, 1003h
                                                                                                                     Load
                                                                                                                                    reload
                                                                                                                                                step back single step
                                                                                                                                                                                                 step delay ms: 0
nov bx, 0
                                                                                      600 emulator screen (80x25 chars)
                                                                                            aaaaaaaaaaaaa
 mp next char
next_row:
     je stop_print ; stop when they are equal
next_char:
mov ah, 02h
int 10h
   ; print the letter a, and since b1 is the color ; by increasing it everytime, we can get all color of this mov al, 'a' mov bh, 0 mov cx, 1 mov ah, 09h int 10h
                                                                                                                                                                                                                flags
                                                                                       clear screen change font
     jmp next_char
stop print:
    mov dh, 5
mov ah, 02h
```

## ACT 3

