Exp 2: - Experiment on displaying contents of 16 bit flag register of 8086

```
data segment
msg db 0dh, 0ah, "- - - - of df if tf sf zf- af-pf - cf $"
newline db 0dh, 0ah, "$"
flag dw ?
data ends

code segment
assume cs: code, ds: data
start:
mov ax, data
mov ds, ax

mov dx, offset msg
mov ah, 09h
int 21h

mov dx, offset newline
mov ah, 09h
int 21h

pushf
pop bx
mov flag, bx

mov cx, 16
mov bx, 8000h

up:
mov ax, flag
and ax, bx
jz zero
mov dl, 31h
jmp print
zero: mov dl, 30h
print: mov ah, 02h
      int 21h
mov dl, "
mov ah, 02h
int 21h

ror bx, 1
loop up

mov ah, 4ch
int 21h
```

code ends
end start

Output:-