

Assignment No: 03

Assignment Name: Write an assembly code to glow G+R1(ON)-R1(OFF)-Y(ON) in LED Display respectively using array.

Assembly code:

A4 SEGMENT PARA PUBLIC 'CODE'

ASSUME CS: A4

ORG 1000H

START:

;control register turn on

MOV AL,80H

OUT 1FH,AL

;segment address forcefully off

MOV AL,0FFH

OUT 19H,AL

MOV SI,OFFSET DATA

;LED turn on

MOV BL,03H

L1:

MOV AL,BYTE PTR CS:[SI]

OUT 1BH,AL

;for delay

MOV CX,0FFFFH

L2:LOOP L2

INC SI

DEC BL

CMP BL,00H

JA L1

DATA:

DB 03H

DB 02H

DB 06H

A4 ENDS

END START