**Interfacing LCD with 8051 microcontrollers**

Device:

1. at89c51
2. LM016L
3. 

Code in Keil  
ORG 0000H

Mov A, #38H // use 2 lines and 5\*7

ACALL com

MOV A, #0EH //cursor blinking off

ACALL com

MOV A, #80H // force cursor to first line

ACALL com

MOV A, #01H //clr screen

ACALL com

MOV DPTR ,#STR

REV : MOV A,#00H

MOVC A,@A+DPTR

JZ FINISH

ACALL L\_D

INC DPTR

SJMP REV

FINISH: SJMP FINISH

com: ACALL DEL\_ROUTINE

MOV P1, A

CLR P2.1

SETB P2.2

CLR P2.2

RET

L\_D: ACALL DEL\_ROUTINE

MOV P1, A

SETB P2.1

SETB P2.2

CLR P2.2

RET

DEL\_ROUTINE: MOV R0, #0FFH

L1: MOV R1, #0FFH

L2: DJNZ R1, L2

DJNZ R0, L1

RET

STR: DB'NELSON DARWIN',0

END

Youtube Link:

<https://www.youtube.com/watch?v=GVUjmz0fvkk>