

# The Start

Contributed by Liang Chen

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My First 8051 Project wrote in Assembler Language for Winbond W78E58B in 2003:   ORG 0000H
LJMP START
ORG 0040H
START:
;MOV SP,#60H
MOV A,#0FEH
mov r3,#8H
mov r4,#8h
ROTATE: MOV P1,A ;to p1
RL A ;move left
LCALL DELAY ;delay
NOP
djnz r3,ROTATE
rotate2:
rr a
MOV P1,A
lcall delay
nop
djnz r4,rotate2
lcall start

DELAY: ;Delay Function about 1 second
MOV R0,#0AH
DELAY1: MOV R1,#00H
DELAY2: MOV R2,#0B2H
DJNZ R2,$
DJNZ R1,DELAY2
DJNZ R0,DELAY1
RET
END   Å

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The microcontroller would control LEDs to light on one by one.

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My first AVR project wrote in Assembler Language for ATmel ATmega32L AVR in 2004:   .include "m32def.inc"
.def mpr=r16
ldi mpr,0xff
out ddrb,mpr

read:
ldi zh,high(mytable<<1)
ldi zl,low(mytable<<1)
;adiw zl,4
;lpm
;MOV R24,R0 ; Copy LSB to 16-bit register
ADIW ZL,4 ; Point to MSB in program memory
LPM ; Read MSB of table value
MOV R25,R0 ; Copy MSB to 16-bit register
out portb,r25
rjmp read
mytable:
.dw 0XCF;0
.dw 0X03;1
.dw 0X5D;2
.dw 0X5B;3
.dw 0X93;4
.dw 0XDA;5
.dw 0XDE;6
.dw 0X43;7
.dw 0XDF;8
.dw 0XDB;9

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This program's function was very similar to the 8051 one's.

Unfortunately, because of the several crashes and changes of my computer, the original code of my first VB6 program is lost.

These programs or codes seem extremely simple, when I read them again after several years. However, they are priceless and I can call them "The One where it all Began" :)

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