

Chap02

1. 請回答以下以Keil C51開發實驗版軟體環境使用問題。

(1) 在Debug (偵錯) 模式下, 要看資料記憶體 (RAM) 0x00位址要如何達成? (請放截圖)

Memory 1															
Address: 0x00															
C:0x0000:	02	08	00	00	00	00	00	00	00	00	00	00	00	00	00
C:0x0023:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
C:0x0046:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
C:0x0069:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
C:0x008C:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

(2) 在Debug (偵錯) 模式下, 要看程式記憶體 (ROM) 0x0010位址要如何達成? (請放截圖)

Memory 1															
Address: C:0x0010															
C:0x0010:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
C:0x0033:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
C:0x0056:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
C:0x0079:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
C:0x009C:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

(3) 在Debug (偵錯) 模式下, 請問單步偵錯中Step Out是什麼?

Step Out: 跳出副程式

(4) 在Debug (偵錯) 模式下, 請問單步偵錯中Step in與Step Over的不同?

Step in: 如果遇到副程式 則進入副程式

Step Over: 跳過副程式 不進入副程式

Chap03

1. 請問Keil C51編譯器標準變數的資料型態 (data type) 有哪8種以及每一種佔的bit長度?

char	8
unsigned char	8
int	16
unsigned int	16
long	32
unsigned long	32
float	32
unsigned float	32

2. 請問Keil C51編譯器請舉出4種擴充的資料型態以及每一種佔的bit長度?

bit	1
sfr	8
sfr16	16
sbit	1

3. 請寫一Keil C程式宣告8051 P0, P1, P2, P3並將值都指定為0x00

P0 = 0x00; P1 = 0x00; P2 = 0x00; P3 = 0x00;

4. 請寫一Keil C程式宣告8051 P1的第0, 1 bit 並將值都指定為0

P0_0 = 0; P0_1 = 0;