上課小考

1.請問要利用Keil C撰寫以下程式編繹執行,請問 m,i,j的值為何?

```
main()
{
   unsigned char b=0x20,d=0x2f;
   unsigned char i,j;
   i=!b;
   j=~d;
}

i=000, j=0xD0
```

2.請問要利用Keil C撰寫以下程式編繹執行·請問 I,m,i,j,k的值為何?

```
main()
{
  unsigned char b=0x7f,d=0x10;
  unsigned char l,i,j,k,m,n;
    l=d>>2;
    m=b^d;
    i=!b;
    j=~d;
    k=b<<2;
}</pre>
```

Name .	Location/Value	Туре
⊡ ♦ main	C:0x0800	
🐓 n	0x00	uchar
🐓 m	0x6F 'o'	uchar
🐓 k	0xFC '?	uchar
🍫 j	0xEF '?	uchar
💡 i	0x00	uchar
🍫 📘	0x04	uchar
🐓 d	0x10	uchar
⊘ b	0x7F	uchar

3. 請問若是要利用位元運算子(&, |,~,^)來將特殊暫存器P1的第0 bit(最低位)設定為1以及第6 bit(次高位)設定為0,原P1暫存器其他位元值保留,請用Keil C語法寫出程式。

```
sfr P1 = 0x90;
void main()
{
   unsigned char i = 0x10;
   loop:
        P1 = i;
        P1 = P1 | 0x01;
        P1 = P1 & ~0x40;
        goto loop;
}
```

4.請問要利用Keil C撰寫以下程式編繹執行,請問程式執行至最後一行(a)程式的i與(b)程式j的值為何?

(a) main() { unsigned char *p; unsigned char i=11; p=&i; *p=10; } (b) main() { unsigned char *q; unsigned char j=11; *q=j; j=j+1;

*q=11;}

(a)
$$a = 10$$

(b)
$$b = 12$$