ASSIGNMENT 5

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Roll no: 23151

```c
/*
 * File:   led.c
 * Author: shubham
 */



#include <xc.h>
#include <pic18f4550.h>

void DELAY_MS(unsigned int ms_count){
    unsigned int i,j;
    for(i=0;i<ms_count;i++){
        for(j=0;j<1000;j++);
    }



}
int main(void) {
    TRISA=0x00;
    TRISB=0x00;
    TRISC=0x00;
    TRISD=0x00;
    while(1){
        PORTA=0xff;
```

```
        PORTB=0xff;

        PORTC=0xff;

        PORTD=0xff;

        DELAY_MS(100);


        PORTA=0x00;

        PORTB=0x00;

        PORTC=0x00;

        PORTD=0x00;

        DELAY_MS(100);


    }
    return 0;
}
```
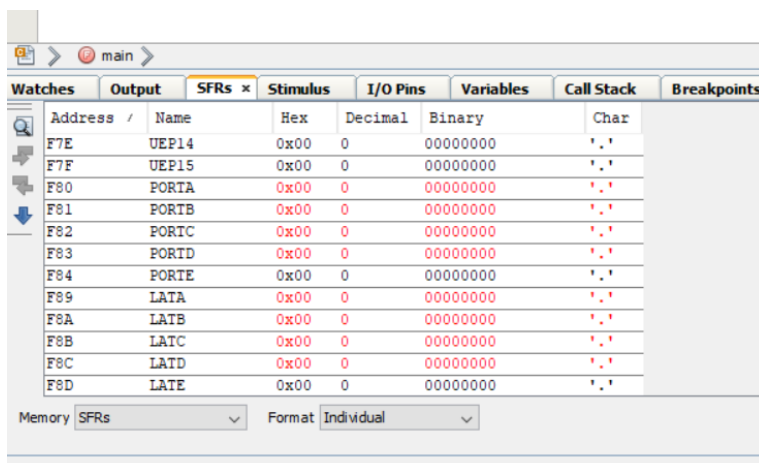
OUTPUT

| | Watches | Output | SFRs × | Stimulus | I/O Pins | Variables | Call Stack | B |

Address /	Name	Hex	Decimal	Binary	Char
F7E	UEP14	0x00	0	00000000	'.'
F7F	UEP15	0x00	0	00000000	'.'
F80	PORTA	0x50	80	01010000	'P'
F81	PORTB	0xE0	224	11100000	'à'
F82	PORTC	0xC7	199	11000111	'Ç'
F83	PORTD	0xFF	255	11111111 .	'ÿ'
F84	PORTE	0x00	0	00000000	'.'
F89	LATA	0x7F	127	01111111	'□'
F8A	LATB	0xFF	255	11111111	'ÿ'
F8B	LATC	0xC7	199	11000111	'Ç'
F8C	LATD	0xFF	255	11111111	'ÿ'
F8D	LATE	0x00	0	00000000	'.'

Memory SFRs   Format Individual