

QUIZ 1 SECTION ?

Write an AVR C program to toggle pins 0 and 2 of Port B and pins 3 and 7 of Port D continuously with a 50ms delay. Initial value should be set as 0x1C for port B and 0xEA for port D. Use the WinAVR library's delay function `_delay_ms()` to put a delay.

Note: You should toggle PortB and PortD successively without putting delay between them.

```
#include <avr/io.h>
#include <util/delay.h>

int main(void){
    DDRD |= ((1<<7) | (1<<3));
    DDRB |= ((1<<2) | (1<<0));

    PORTD = 0xEA;
    PORTB = 0x1C;

    while(1){
        PORTD ^= ((1<<7) | (1<<3));
        PORTB ^= ((1<<2) | (1<<0));
        _delay_ms(500);
    }

    return 0;
}
```