

Name:

CMPE 451, Section 1

Quiz 1

Write an AVR C program to toggle all bits of Port B and Port D continuously with a 200ms delay. Initial value should be set as 0xAC for port B and 0xBD for port D. Use the WinAVR library's delay function `_delay_ms()` to put a delay.

//Solution

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

#include <util/delay.h >

int main (void)
{
    DDRB = 0xFF;
    DDRD = 0xFF;
    PORTB = 0xAC;
    PORTD = 0xBD;
    while (1){
        PORTB = ~PORTB;
        PORTD = ~PORTD;
        _delay_ms (200);
    }
    return 0;
}
```

Good Luck

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