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...in_parallel_out_flat\parallel_in_parallel_out_flat\main.c
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* parallel_in_parallel_out_flat.c
 * Created: 1/28/2022 9:58:44 PM
 * Author : Jason
 */
#include <avr/io.h>
int main(void)
{
    //pointer to PIN2CTRL array of pin configuration registers
    uint8_t* ptr = (uint8_t*)&PORTA.PIN2CTRL;
    PORTC_PINOCTRL = 0x08; //Enable internal pull up for PC0
    PORTC_PIN1CTRL = 0x08; //Enable internal pull up for PC1
    //DIR is what configure the port pins as inputs or outputs
    VPORTA_DIR = 0x00; //Configure PORTA pins ( PA7, PA6, PA5, PA4, PA3, PA2) as the →
      inputs
    VPORTC_DIR = 0x00;
                        //Configure PORTC pins ( PC1, PC0) as the inputs
                        //Configure PORD pins (PD07 through PD00) as output pins
    VPORTD DIR = 0xFF;
    //Configure PA7 - PA2 as input buffers with internal pull up resistors
    for(uint8_t i = 0; i < 8; i++){
        *(ptr + i) |= PORT_PULLUPEN_bm;
    }
    while (1)
    {
        VPORTD_OUT = ~((VPORTA_IN & 0xFC) | (VPORTC_IN & 0x03) ); //For the purpose
          of reading for PA7-PA2 and for PC1-PC0 and negating when
                                                                   //changing value
                     bit when switch is on and off
    }
}
```