Alternate LED programme

#ifndef *F\_CPU*

#define *F\_CPU* 16000000UL

#endif

#include <avr/io.h>

#include<util/delay.h>

int main(void)

{

DDRD = 0xFF;

while (1)

{

PORTD=0x01;

*\_delay\_ms*(220);

PORTD=0x02;

*\_delay\_ms*(220);

PORTD=0x04;

*\_delay\_ms*(220);

PORTD=0x08;

*\_delay\_ms*(220);

PORTD=0x10;

*\_delay\_ms*(220);

PORTD=0x20;

*\_delay\_ms*(220);

PORTD=0x40;

*\_delay\_ms*(220);

PORTD=0x80;

*\_delay\_ms*(220);

}

}

Odd or Even LED program

#ifndef *F\_CPU*

#define *F\_CPU* 16000000UL

#endif

#include <avr/io.h>

#include<util/delay.h>

int main(void)

{

DDRD=0xFF;

while (1)

{

PORTD =0xAA;

*\_delay\_ms*(220);

PORTD =0x00;

*\_delay\_ms*(220);

PORTD=0X55;

*\_delay\_ms*(220);

PORTD =0x00;

}

}

Reverse LED program

#ifndef *F\_CPU*

#define *F\_CPU* 16000000UL

#endif

#include <avr/io.h>

#include<util/delay.h>

int main(void)

{

DDRD=0xFF;

while (1)

{

PORTD =0X80;

*\_delay\_ms*(220);

PORTD=0X40;

*\_delay\_ms*(220);

PORTD=0X20;

*\_delay\_ms*(220);

PORTD=0X10;

*\_delay\_ms*(220);

PORTD=0X08;

*\_delay\_ms*(220);

PORTD=0X04;

*\_delay\_ms*(220);

PORTD=0X02;

*\_delay\_ms*(220);

PORTD=0X01;

*\_delay\_ms*(220);

}

}

Done by

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