**DAY-2**

QUESTION: LED blink

/\*

\* led blink.c

\*

\* Created: 6/4/2019 12:32:52 PM

\* Author : Esther Emmanuel

\*/

#ifndef F\_CPU

#define F\_CPU 16000000UL

#endif

#include <avr/io.h>

#include<util/delay.h>

int main(void)

{

DDRD=0xFF;

while (1)

{

PORTD =0XFF;

\_delay\_ms(220);

PORTD=0X00;

\_delay\_ms(220);

}

QUESTION: Top to bottom sequence

/\*

\* LED seq.c

\*

\* Created: 6/4/2019 2:47:19 PM

\* Author : Esther Emmanuel

\*/

#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);

}

QUESTION: Bottom to top sequence

/\*

\* LED seq2.c

\*

\* Created: 6/4/2019 2:47:19 PM

\* Author : Esther Emmanuel

\*/

#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);

}

QUESTION: Even and odd positions

/\*

\* LEDsseq3.c

\*

\* Created: 04/06/2019 14:56:26

\* Author : Esther Emmanuel

\*/

#ifndef *F\_CPU*

#define *F\_CPU* 16000000UL

#endif

#include <avr/io.h>

#include <util/delay.h>

int main(void)

{

DDRD=0b11111111;

while(1)

{

PORTD=0x55;

*\_delay\_ms*(1000);

PORTD=0x00;

*\_delay\_ms*(1000);

PORTD=0xAA;

*\_delay\_ms*(1000);

PORTD=0x00;

}

}