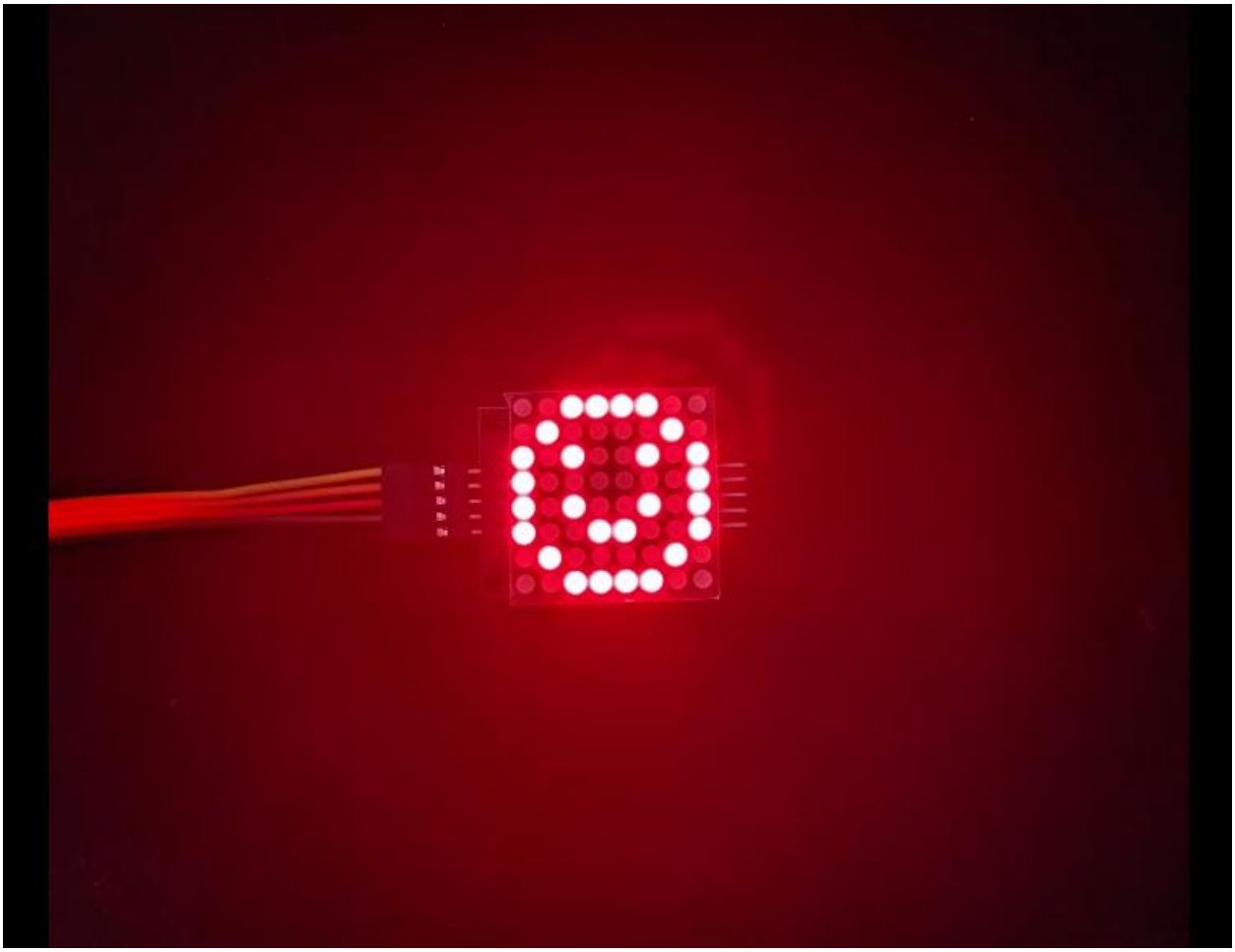
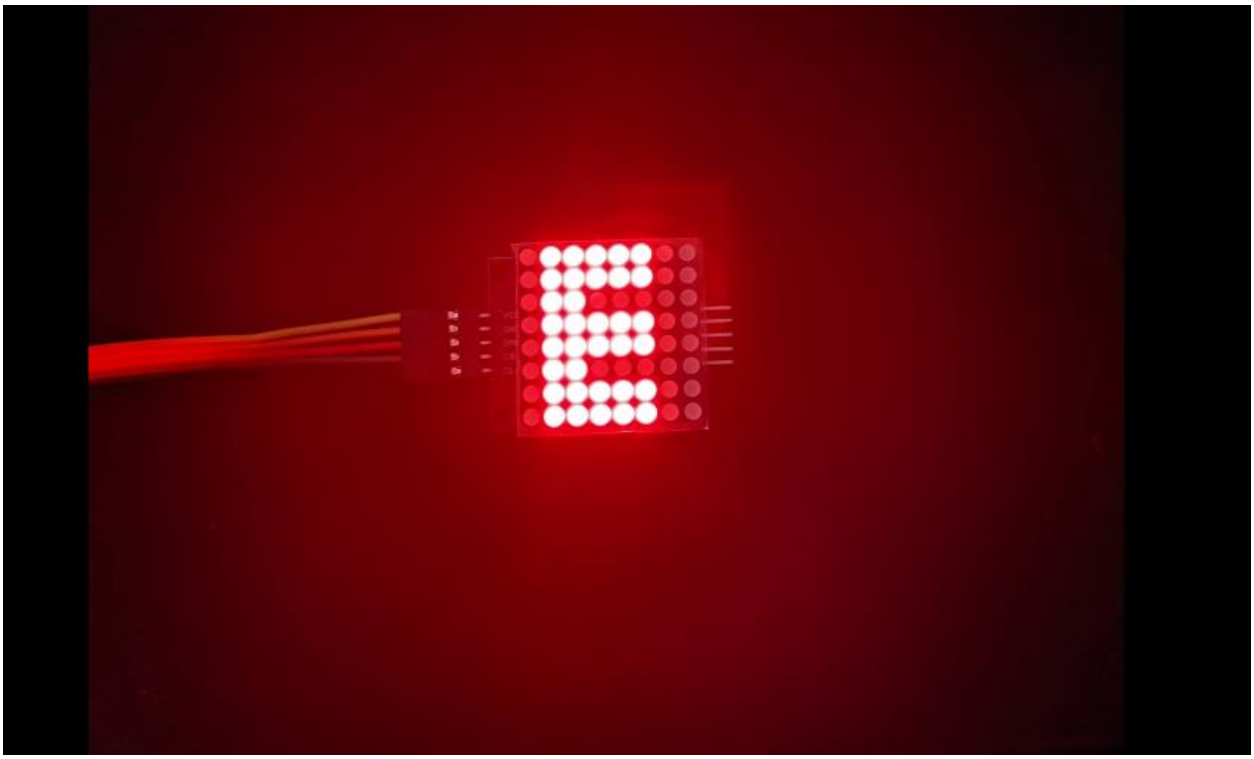
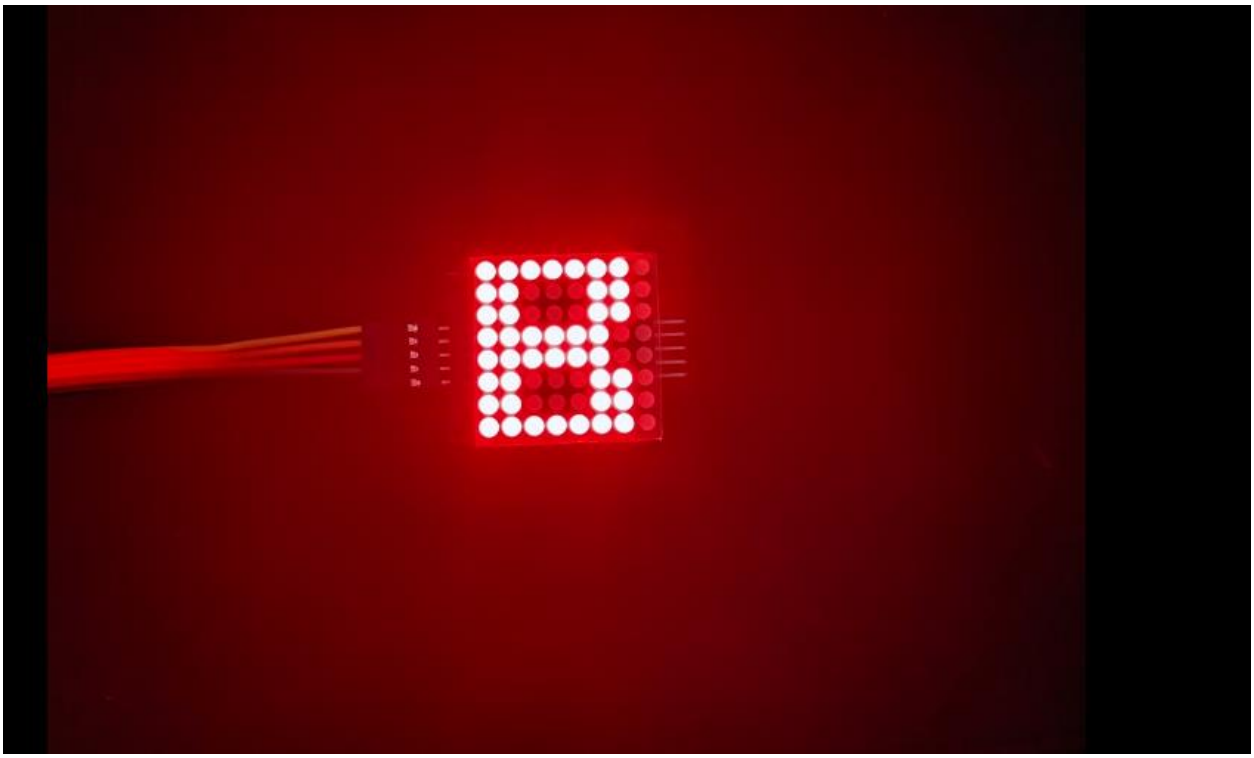
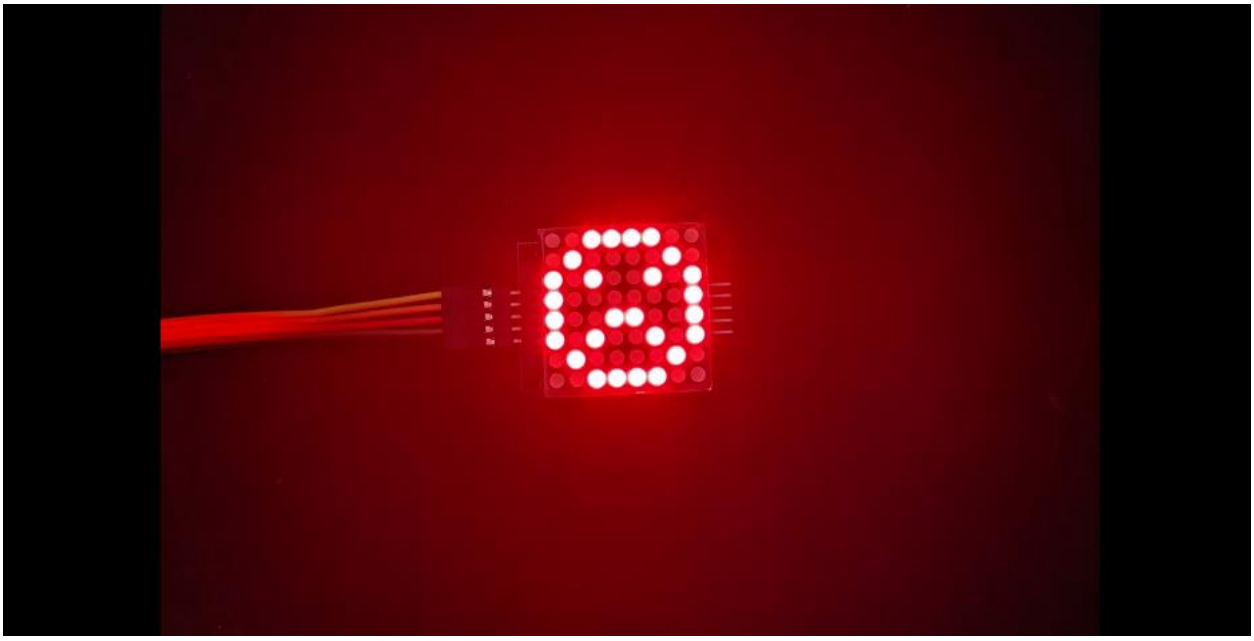
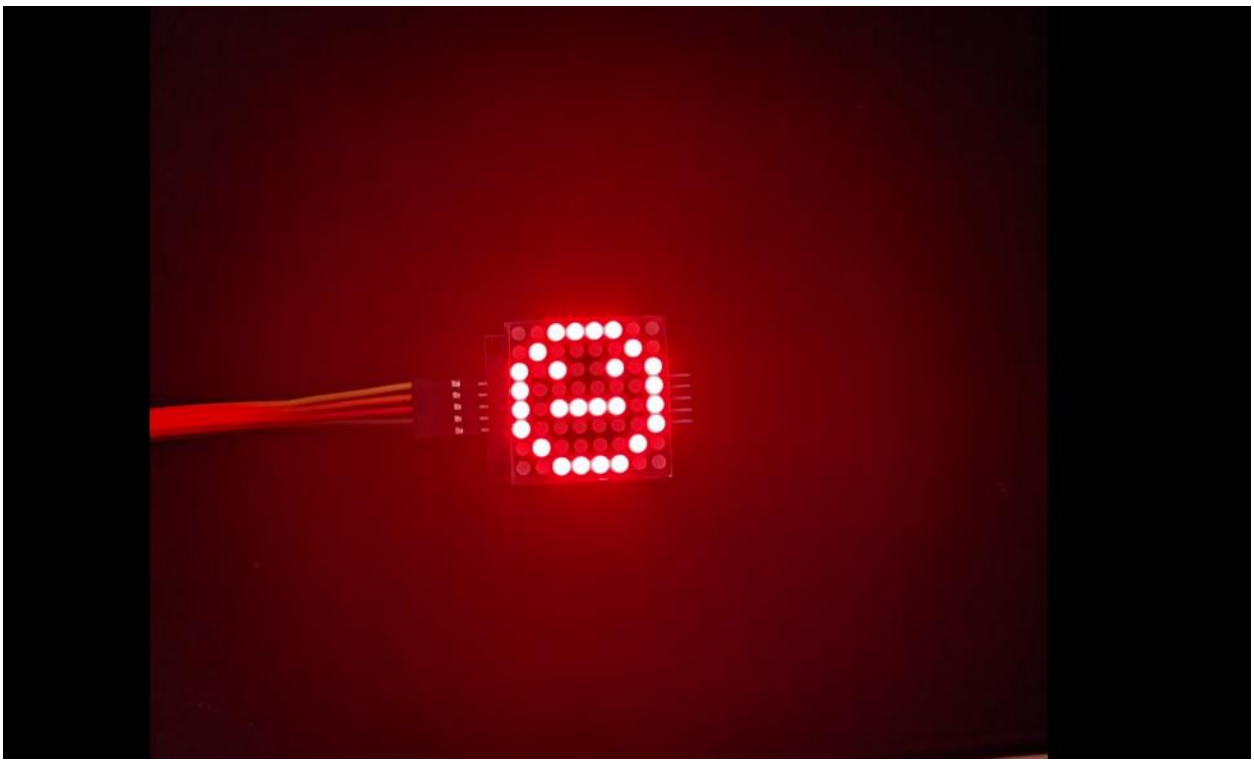
Task 1 rory lange



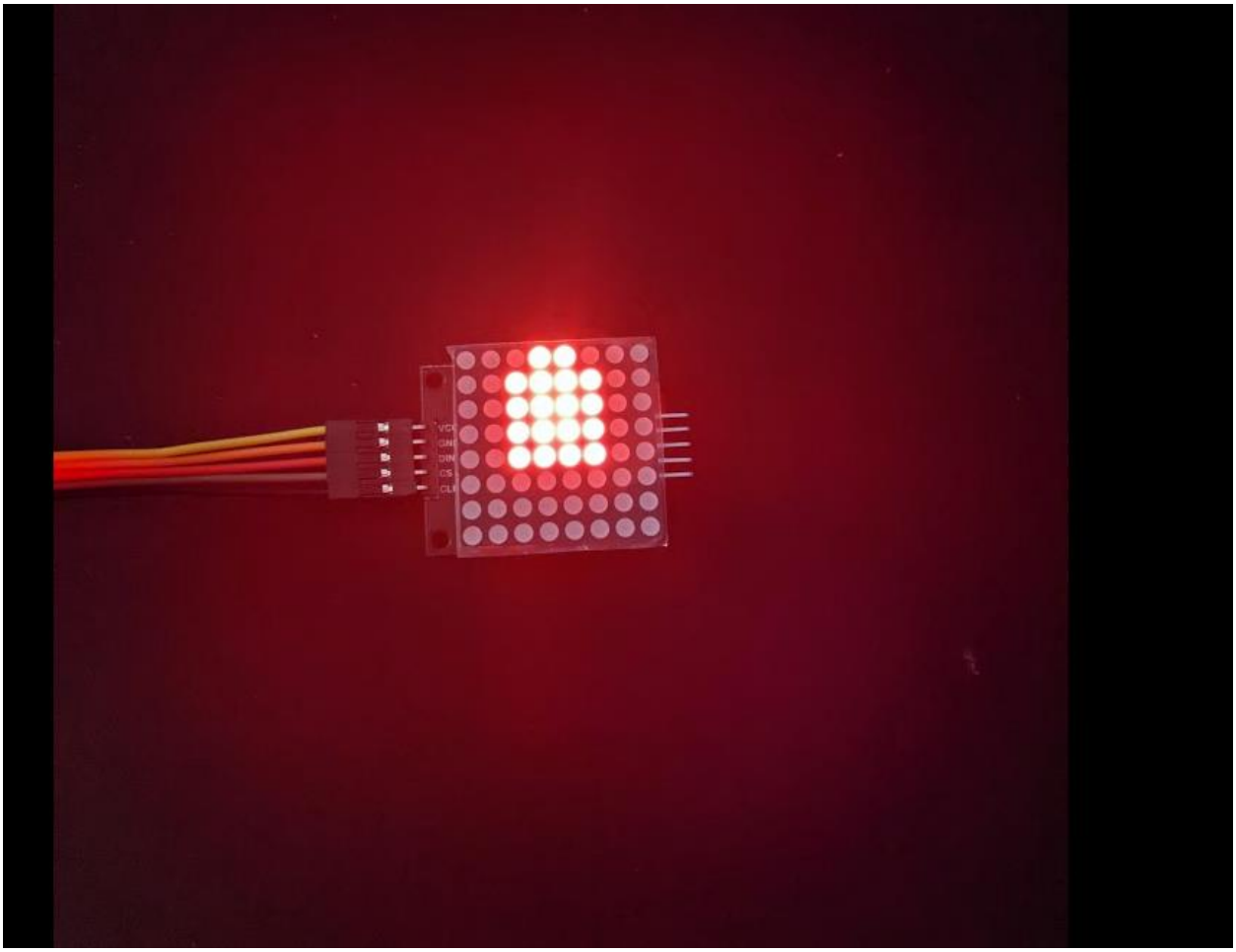


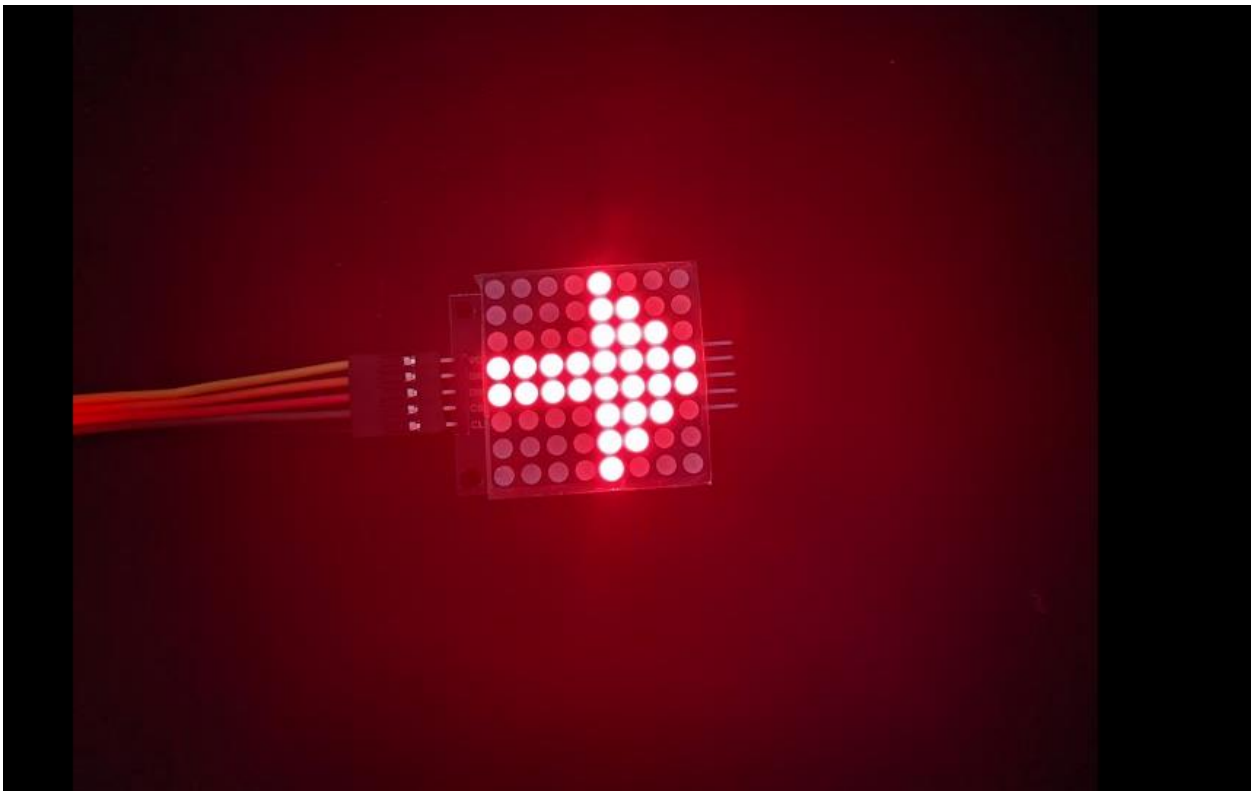


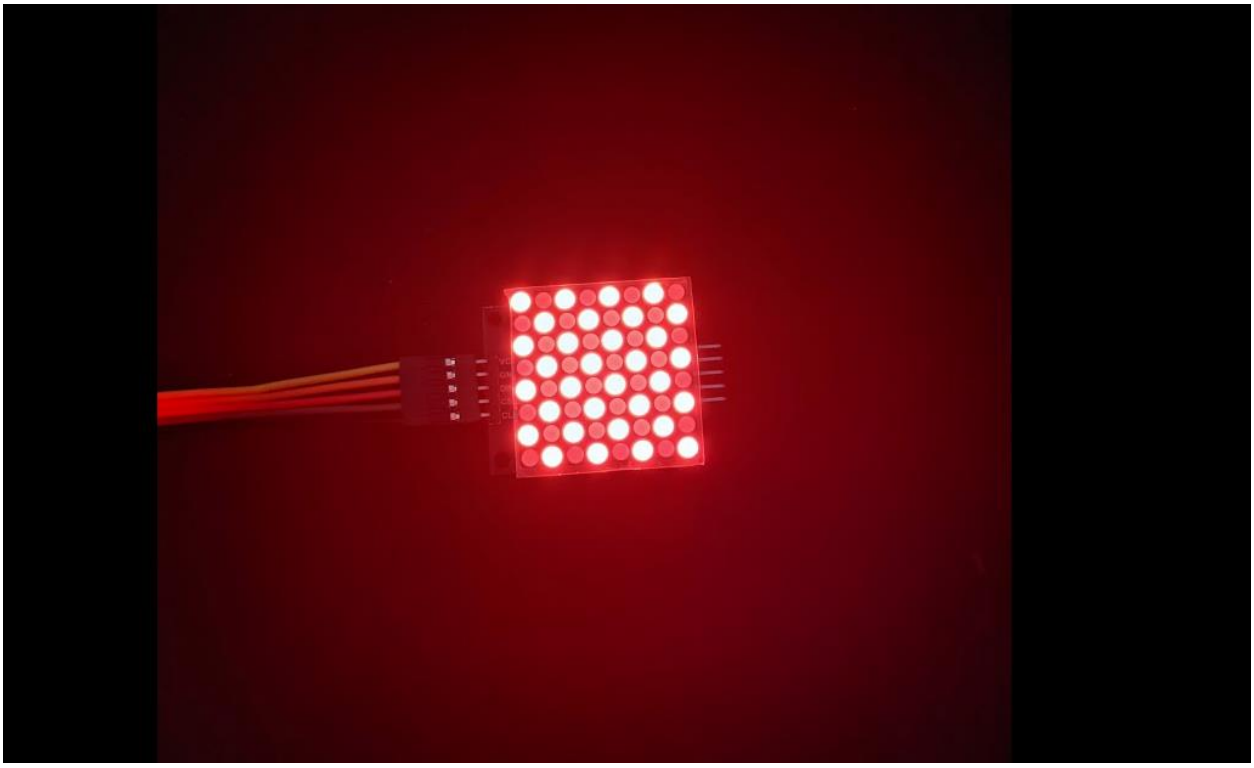




Task 2


VCC
GND
DIN
CS
CLK





Task 3 A

Arduino Uno at COM4

rojectTask1.ino

```
#include <LedControl.h>
int DIN = 12;
int CS = 11;
int CLK = 10;
LedControl lc=LedControl(DIN,CLK,CS,0);
void setup(){
lc.shutdown(0,false); //The MAX72XX is in power-saving mode on startup
lc.setIntensity(0,15); // Set the brightness to maximum value
lc.clearDisplay(0); } // and clear the display
void loop(){

byte R[] = {0x7C,0x42,0x42,0x7C,0x44,0x42,0x41,0x00,};
byte O[] = {0x3C,0x42,0x81,0x81,0x81,0x81,0x42,0x3C,};
byte Y[] = {0x81,0xC3,0x66,0x3C,0x18,0x18,0x18,0x18,};

printByte(R);
delay(1000);
printByte(O);
delay(1000);
printByte(R);
delay(1000);
printByte(Y);
delay(1000);
lc.clearDisplay(0);
delay(1000);}
void printEduc8s(){}
void printByte(byte character []){
int i = 0;
for(i=0;i<8;i++)
{ lc.setRow(0,i,character[i]); }}
```

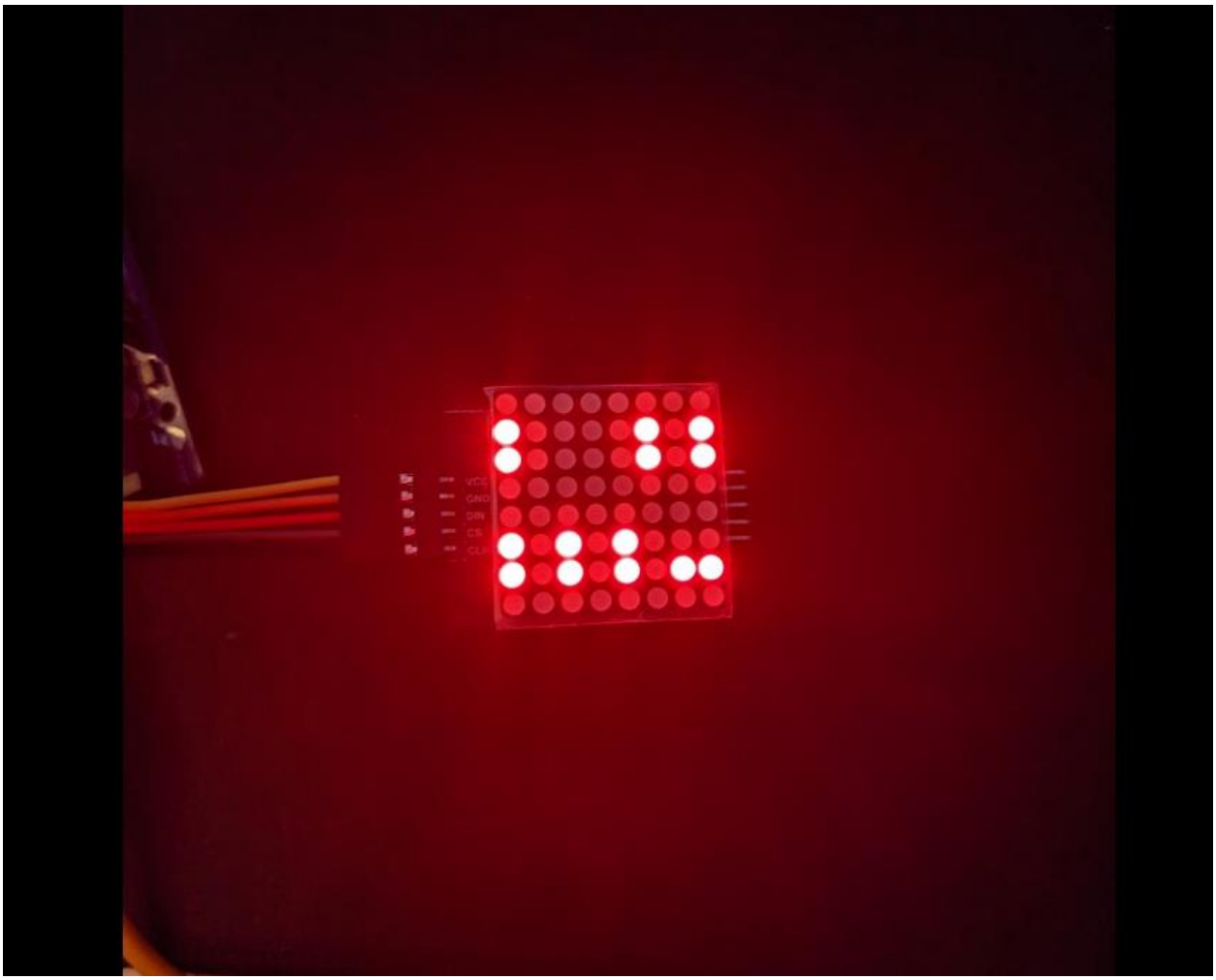
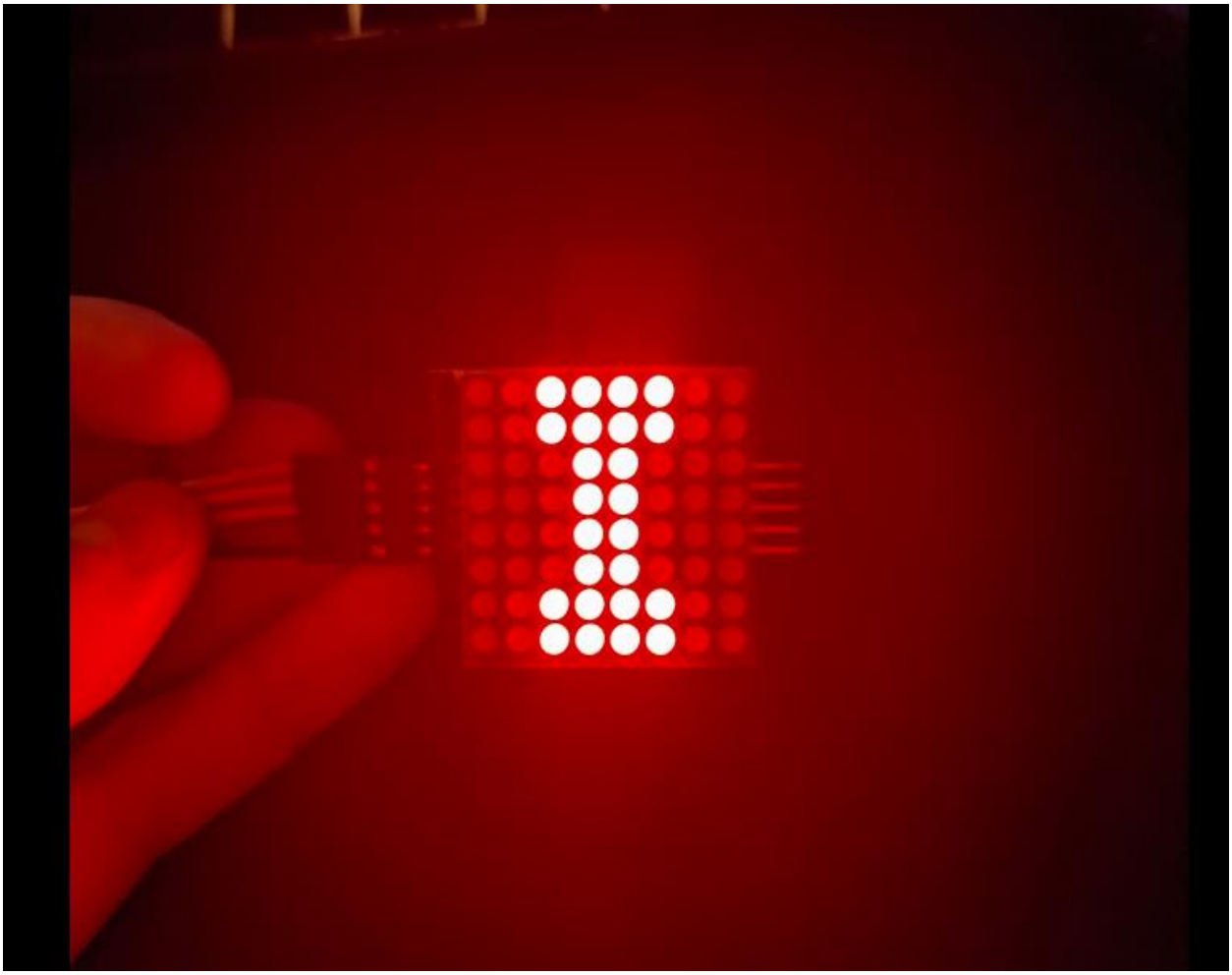
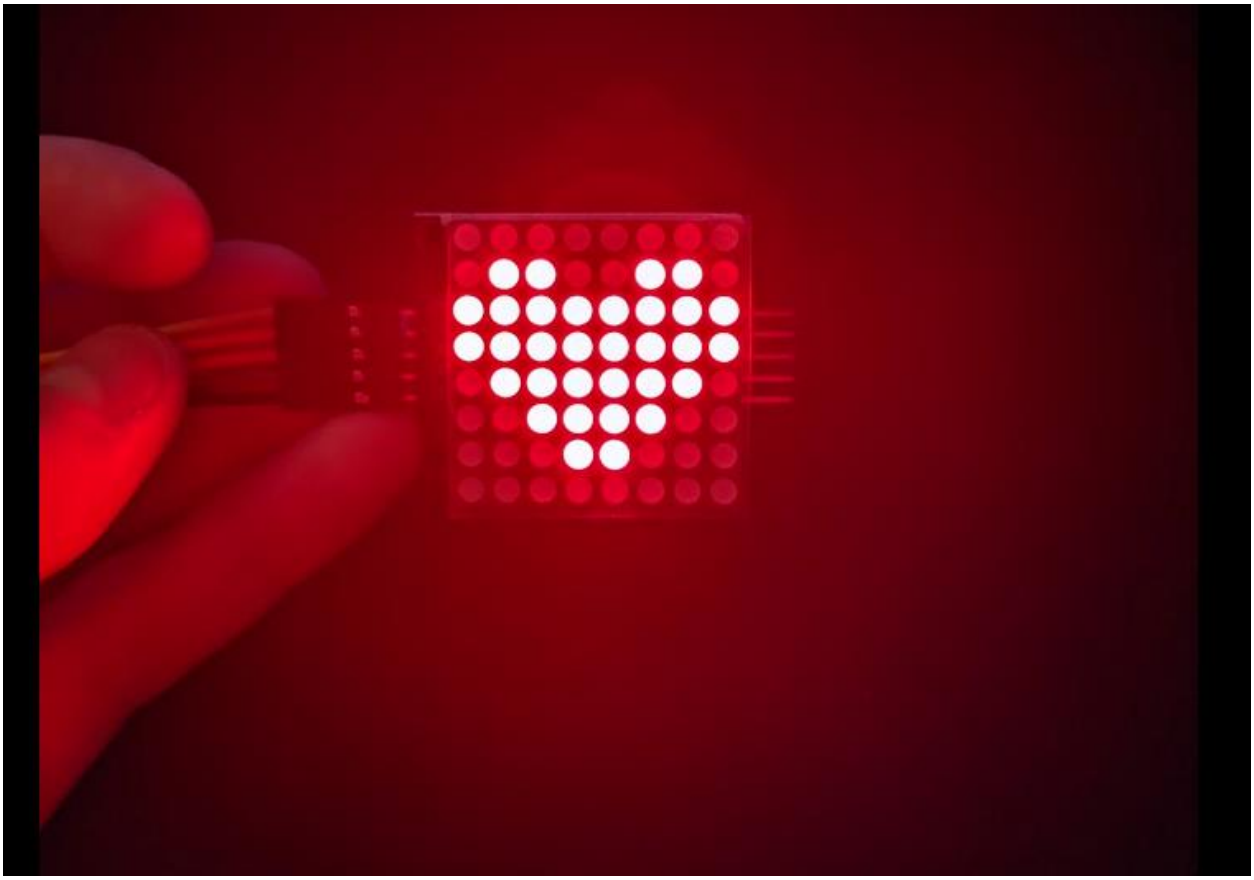
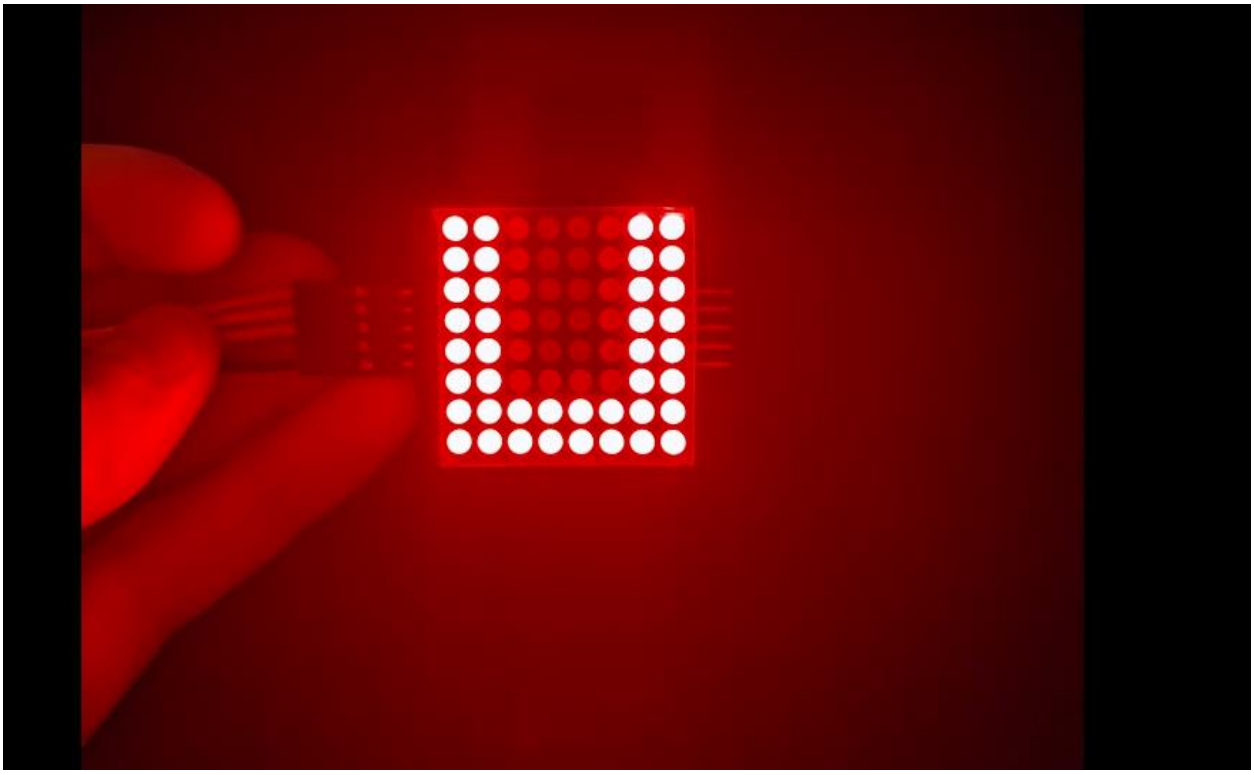
Task 3B

ask1.ino

```
#include <LedControl.h>
int DIN = 12;
int CS = 11;
int CLK = 10;
LedControl lc=LedControl(DIN,CLK,CS,0);
void setup(){
lc.shutdown(0,false); //The MAX72XX is in power-saving mode on startup
lc.setIntensity(0,15); // Set the brightness to maximum value
lc.clearDisplay(0); } // and clear the display
void loop(){

byte loss[] = {0x00,0x85,0x85,0x00,0x00,0xA8,0xAB,0x00,};

printByte(loss);
delay(5000);
lc.clearDisplay(0);
delay(1000);}
void printEduc8s(){}
void printByte(byte character []){
int i = 0;
for(i=0;i<8;i++)
{ lc.setRow(0,i,character[i]); }}
```



Task 4