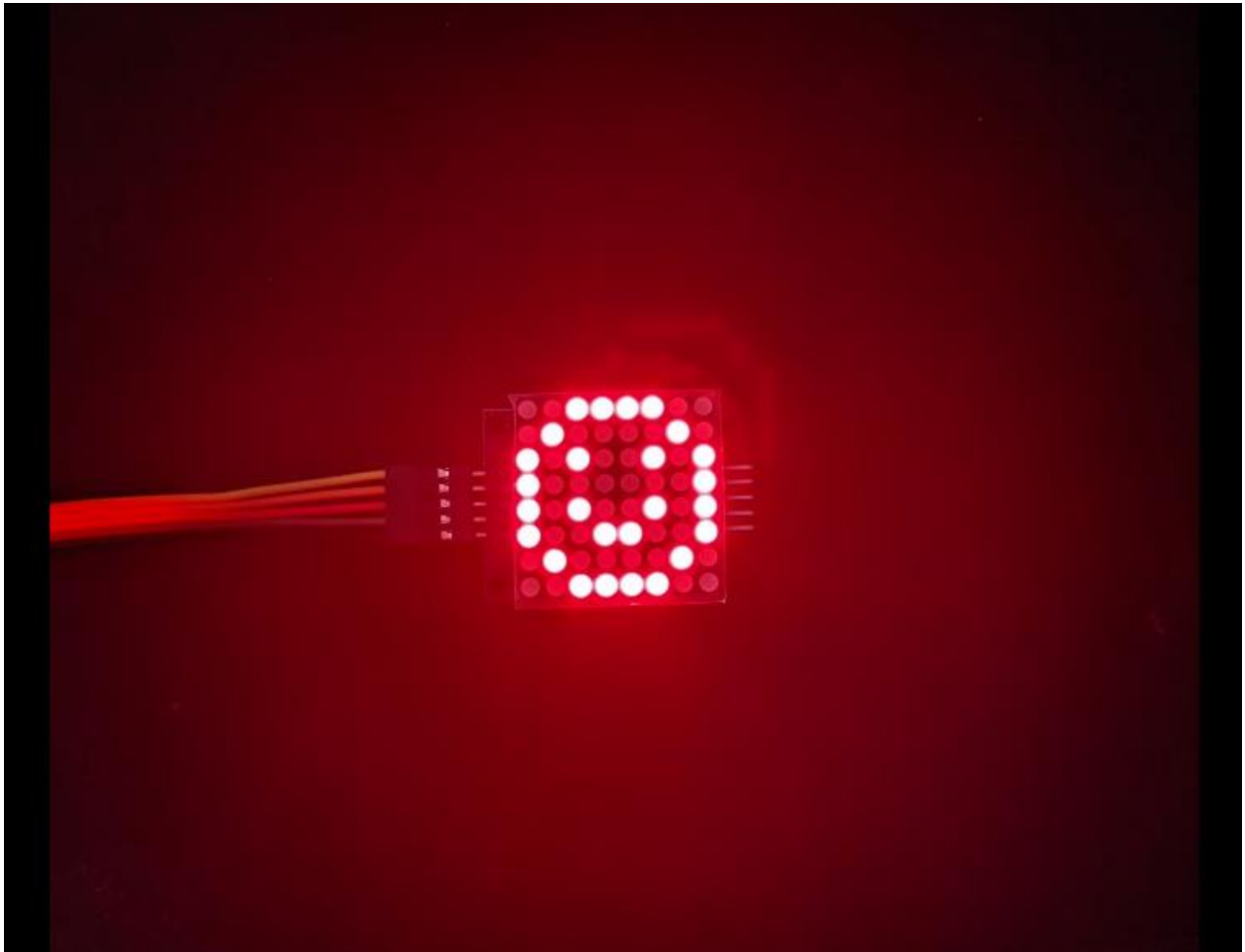
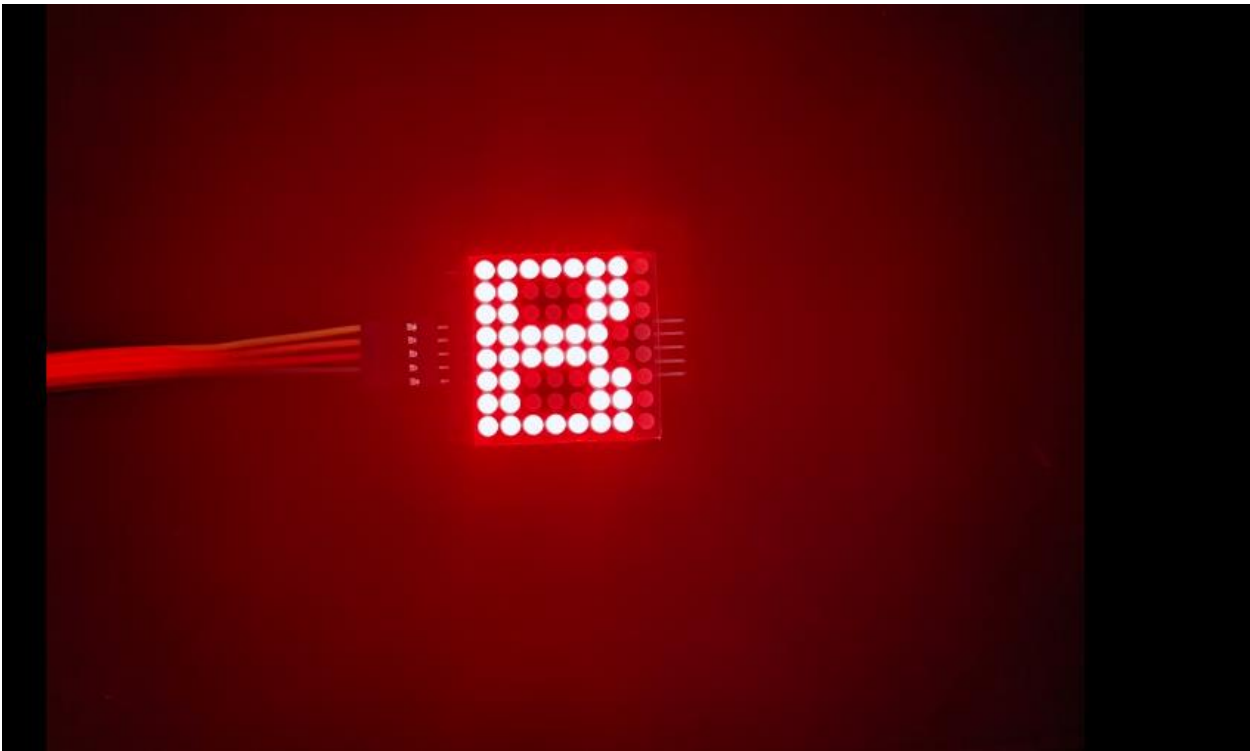
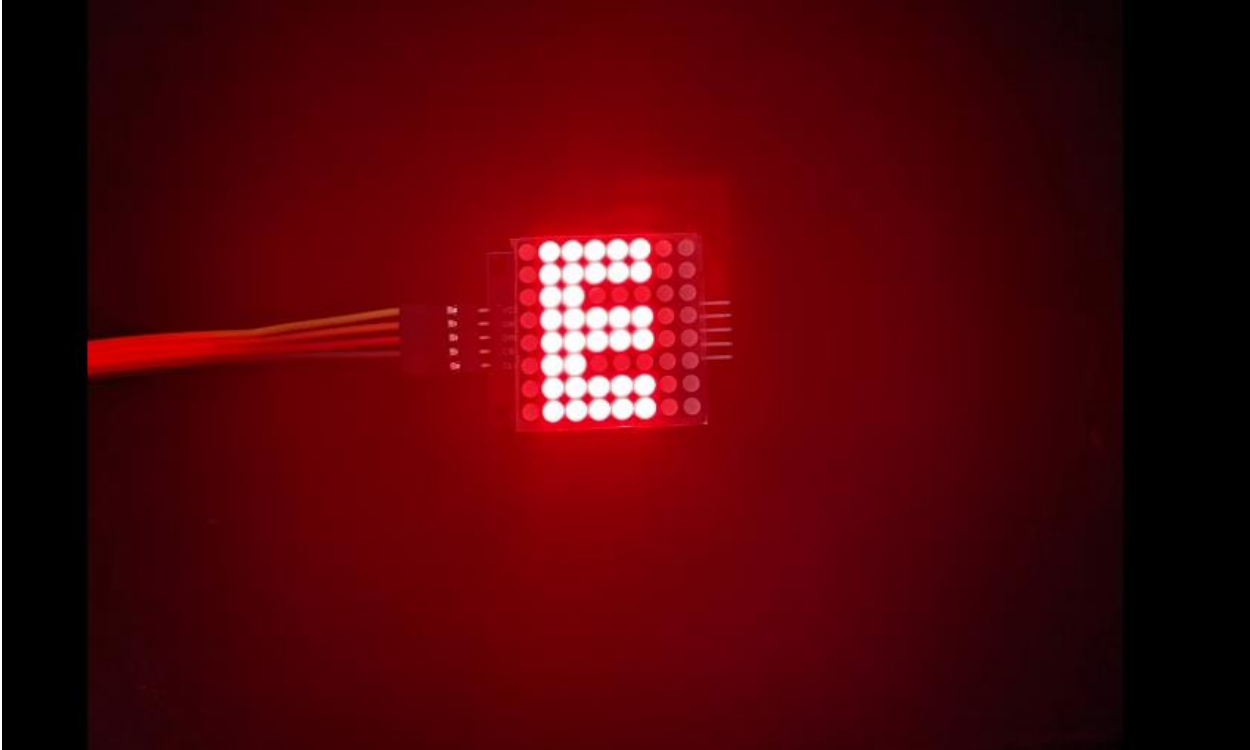
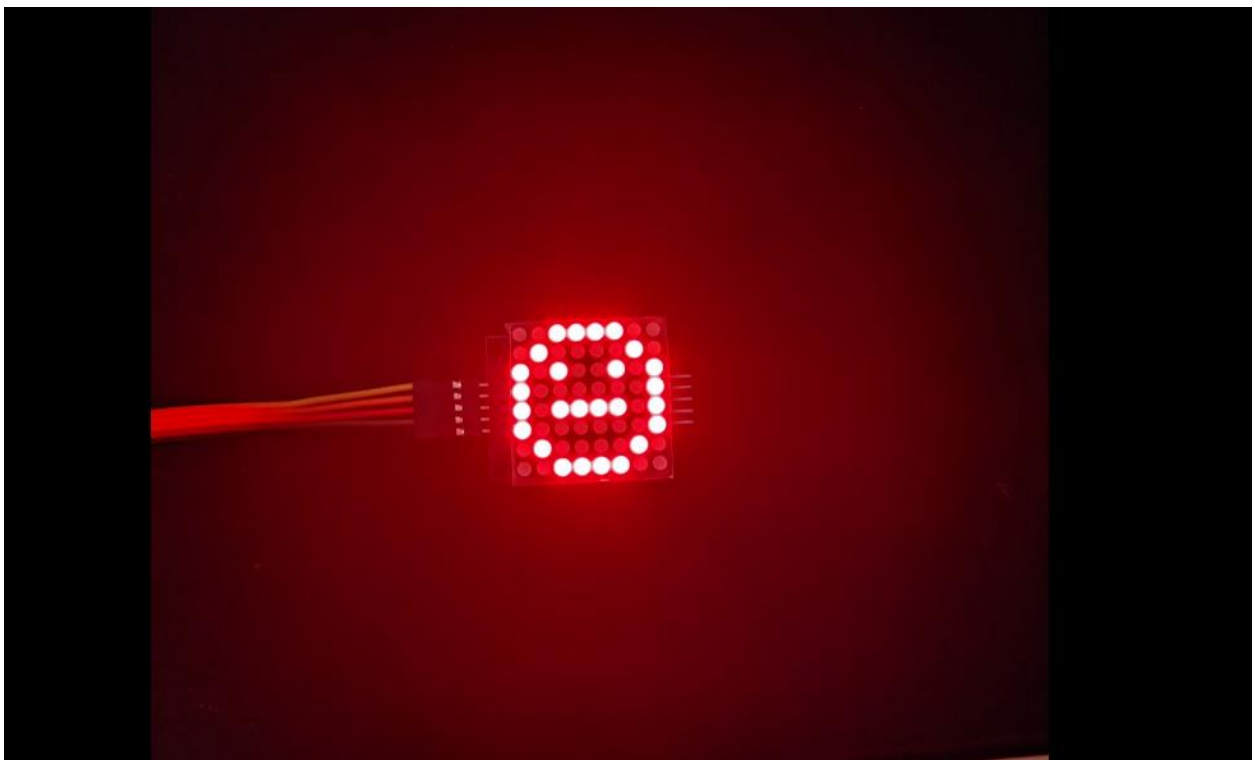
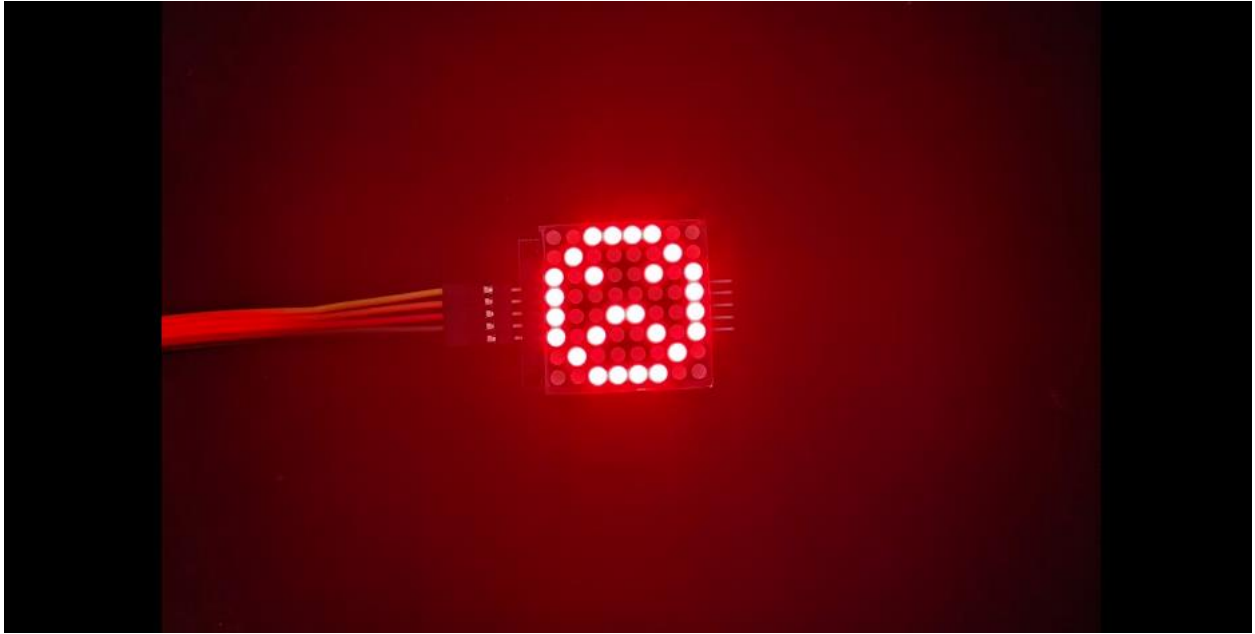


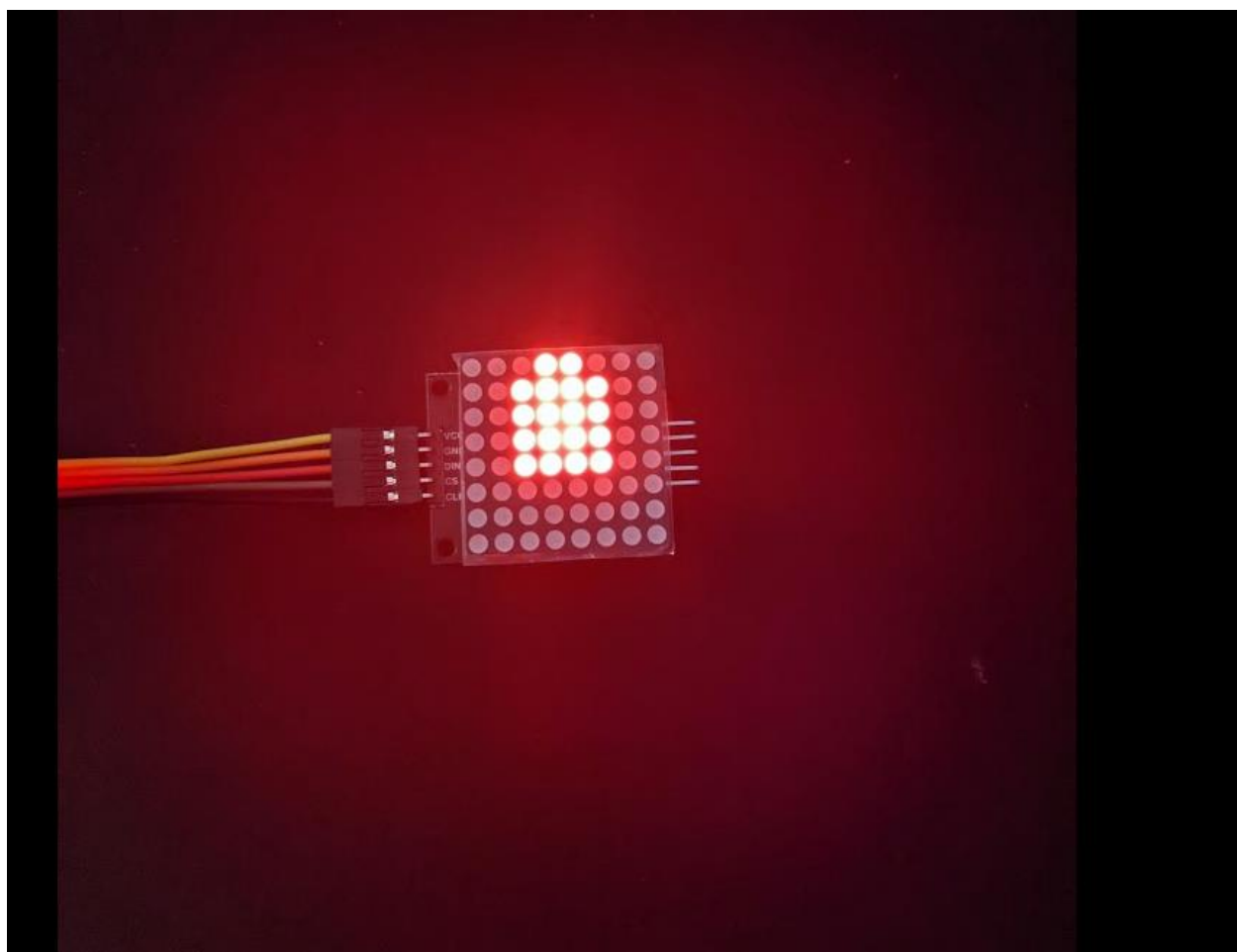
Task 1 rory lange

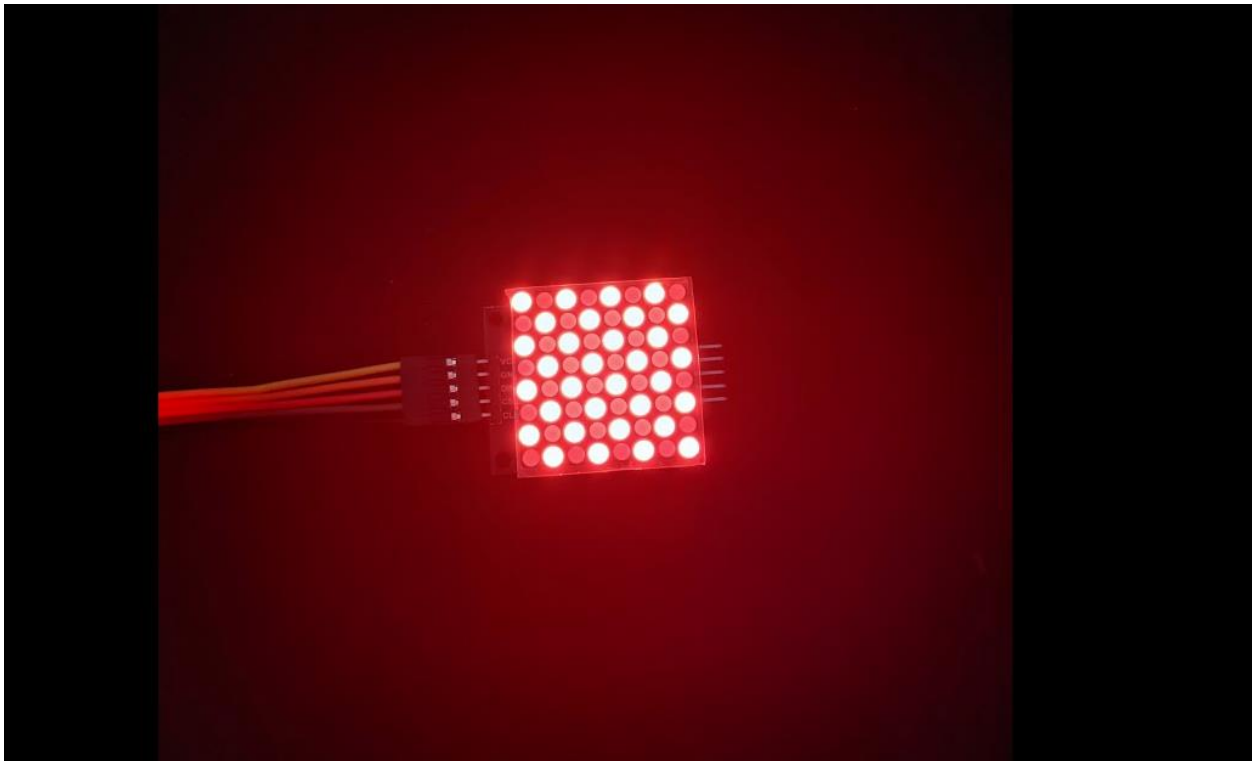
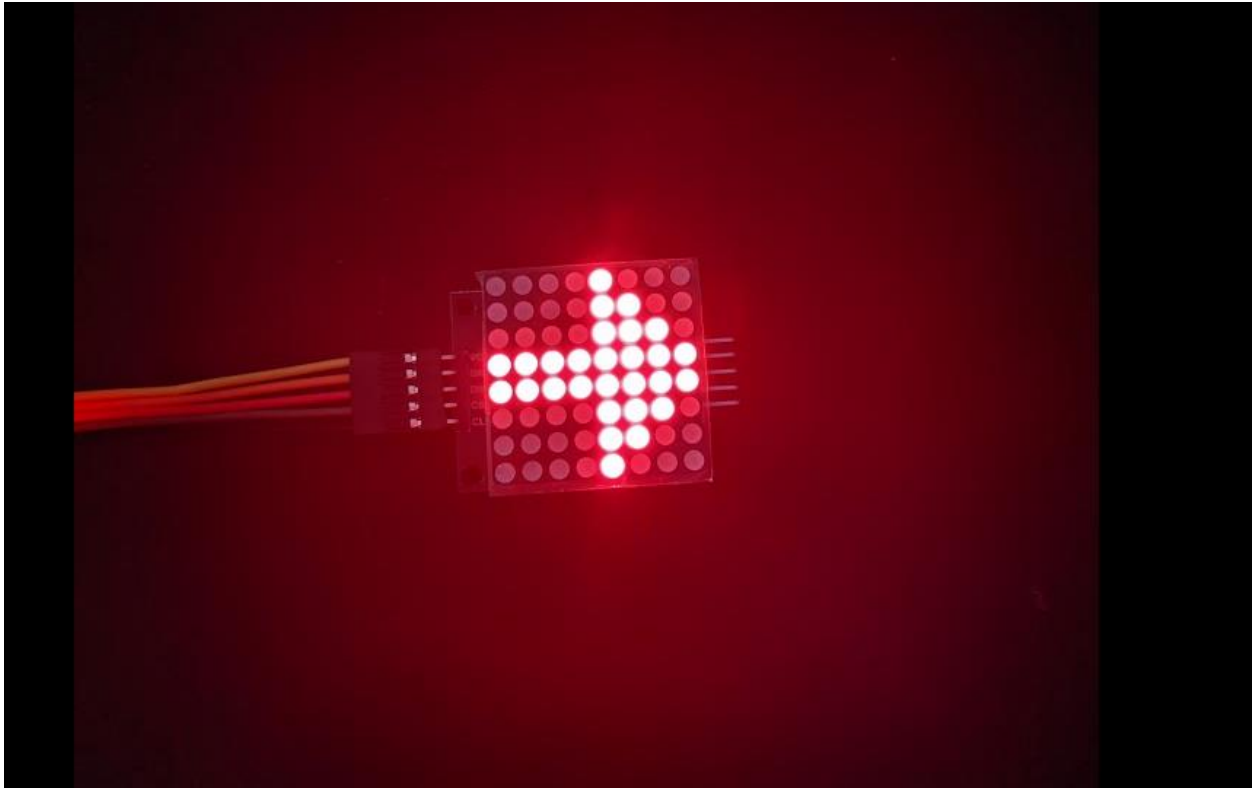






Task 2





Task 3 A

```
Arduino Uno at COM4
projectTask1.ino
1  #include <LedControl.h>
2  int DIN = 12;
3  int CS = 11;
4  int CLK = 10;
5  LedControl lc=LedControl(DIN,CLK,CS,0);
6  void setup(){
7    lc.shutdown(0,false); //The MAX72XX is in power-saving mode on startup
8    lc.setIntensity(0,15); // Set the brightness to maximum value
9    lc.clearDisplay(0); } // and clear the display
10 void loop(){
11
12   byte R[] = {0x7C,0x42,0x42,0x7C,0x44,0x42,0x41,0x00,};
13   byte O[] = {0x3C,0x42,0x81,0x81,0x81,0x81,0x42,0x3C,};
14   byte Y[] = {0x81,0xC3,0x66,0x3C,0x18,0x18,0x18,0x18,};
15
16   printByte(R);
17   delay(1000);
18   printByte(O);
19   delay(1000);
20   printByte(R);
21   delay(1000);
22   printByte(Y);
23   delay(1000);
24   lc.clearDisplay(0);
25   delay(1000);}
26 void printEduc8s(){}
27 void printByte(byte character []){
28   int i = 0;
29   for(i=0;i<8;i++)
30   { lc.setRow(0,i,character[i]); }}
```



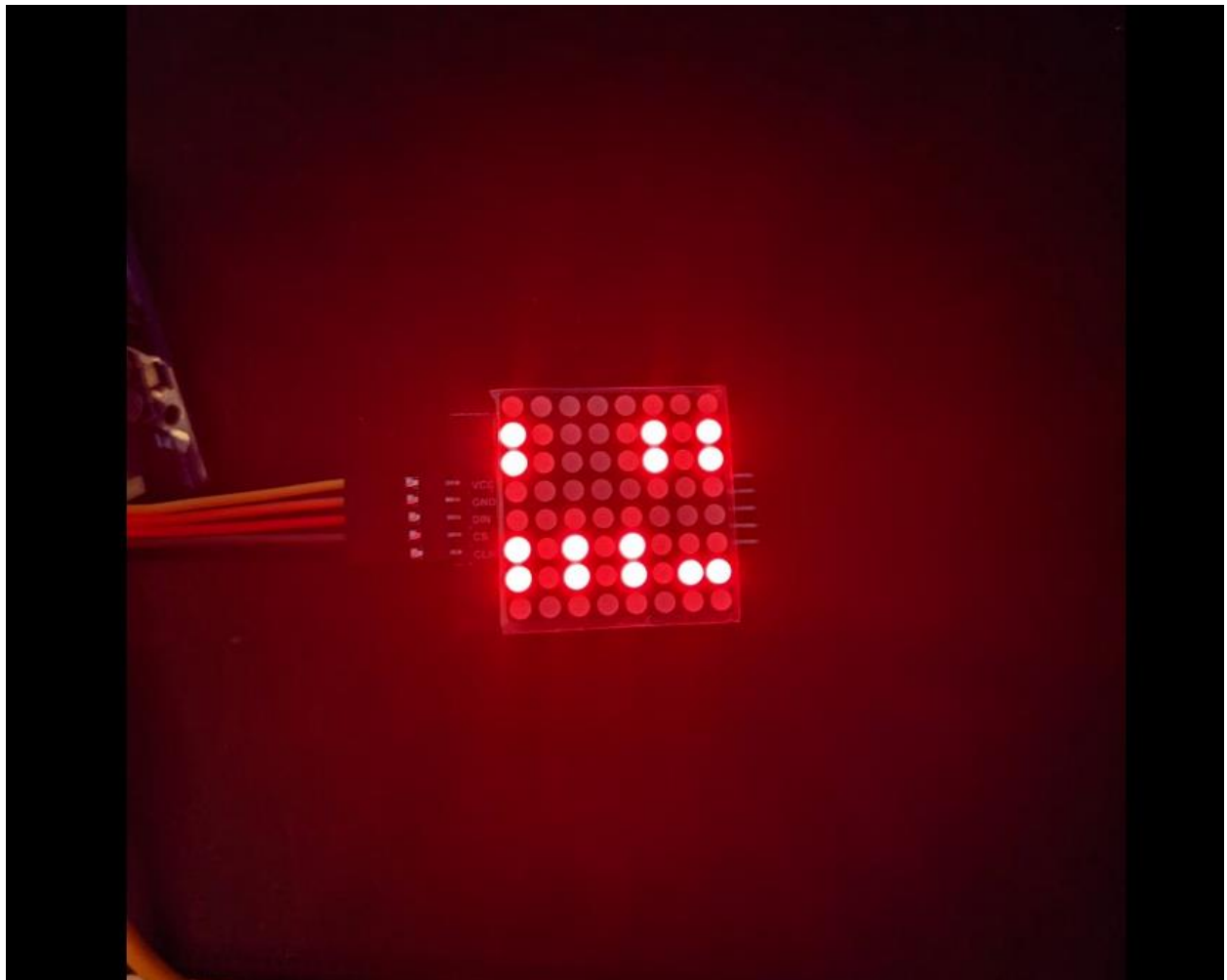
Task 3B

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



