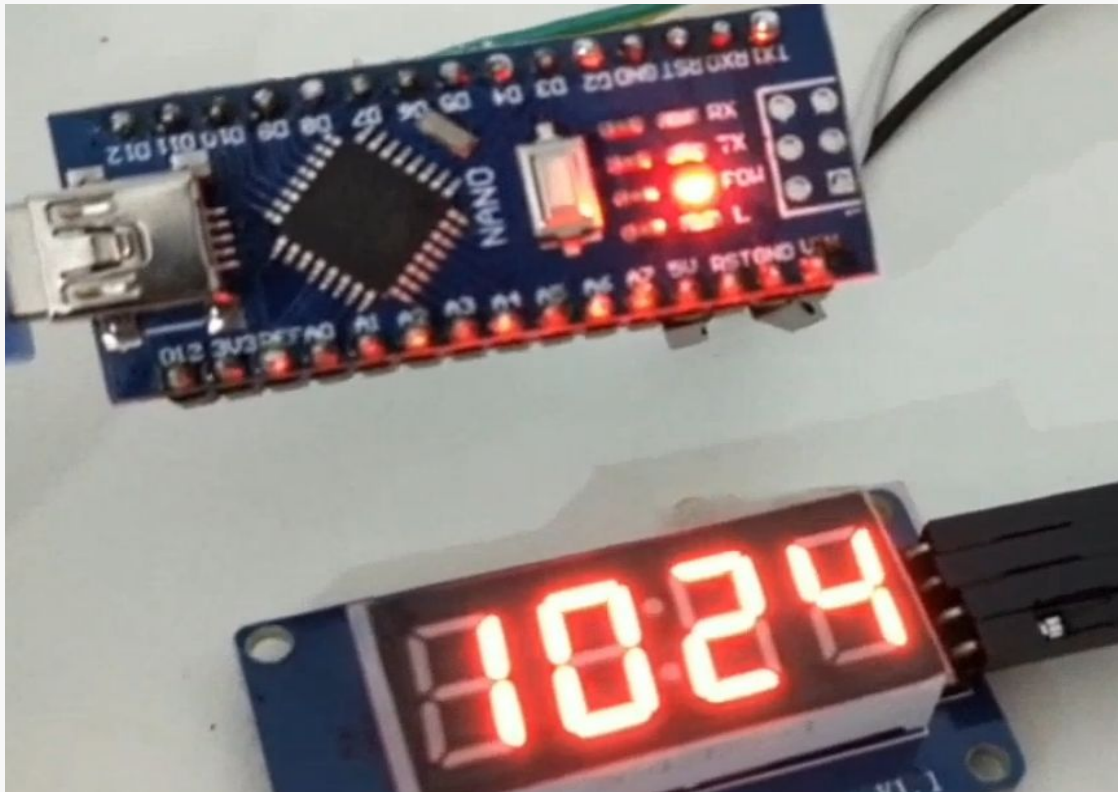


Interfacing of 4 Digital Display

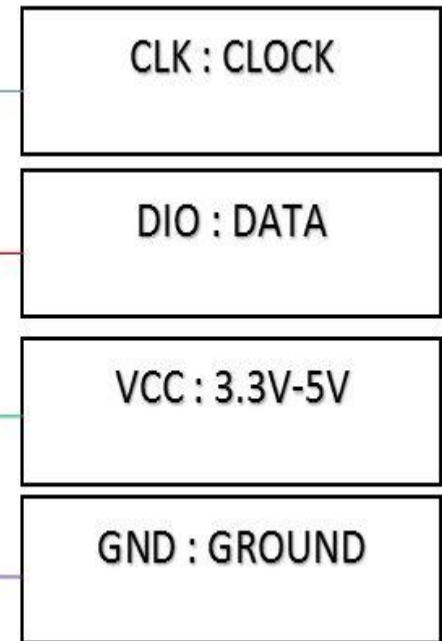


4 Digital Display [TM1637]

- TM1637 is used to drive seven segments display, there are many modules available which contain TM1637 chip to form a 4-digit numerical display module.
- A 4-digit 7-segment LED display has 12 pins. 8 of the pins are for the 8 LEDs on a 7 segment display, which includes A-G and DP (decimal point). The other 4 pins represent each of the 4 digits from D1-D4.



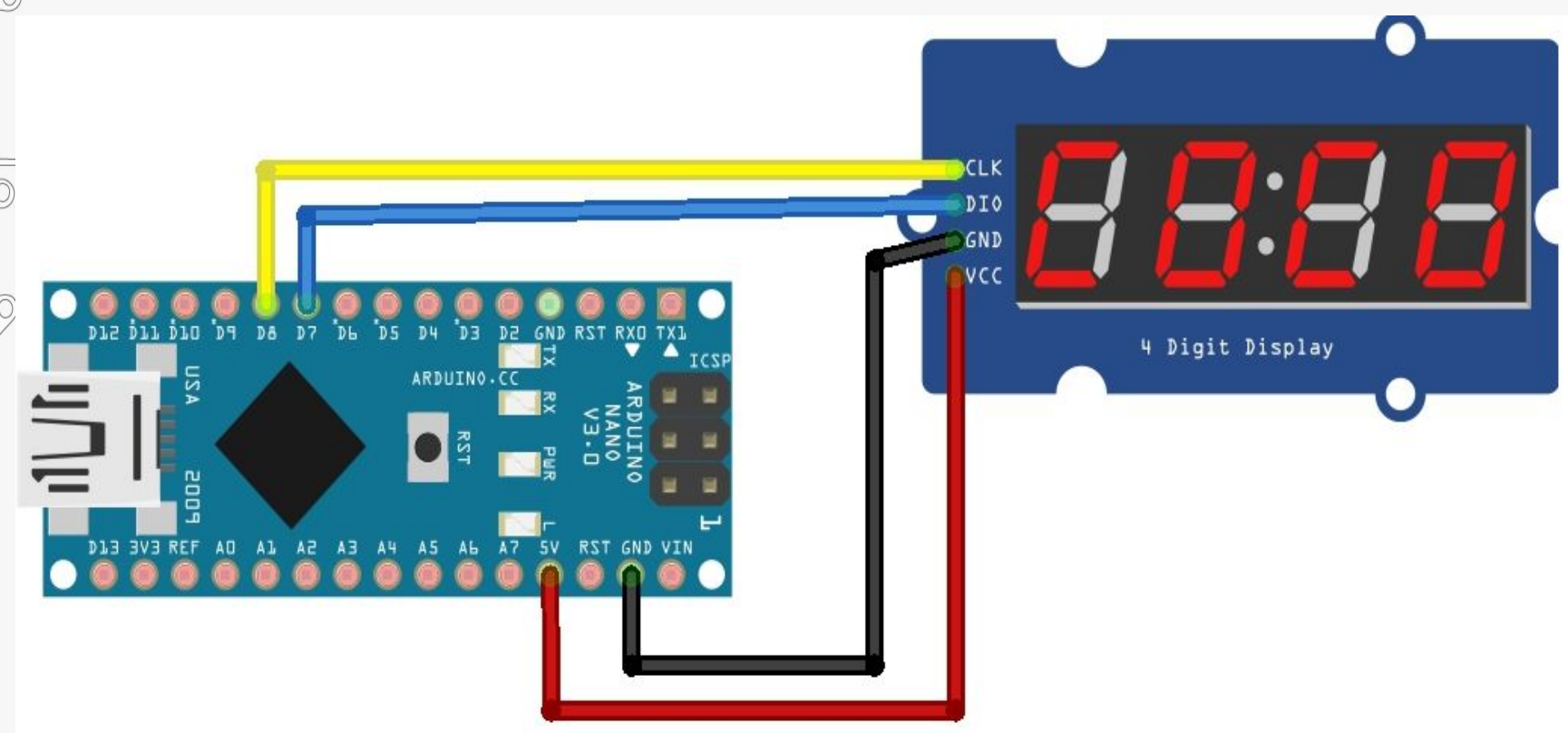
Pin Diagram



Components Required

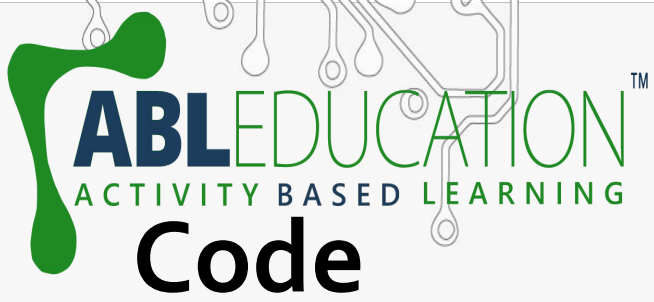
- Arduino Nano
- 4 Digital display
- Jumper wires

Connection Diagram



Connections

1. Connect DIO pin of 4 digital display with D7 pin of Arduino Nano.
2. Connect CLK pin of 4 digital display with D8 pin of Arduino Nano.
3. Connect Vcc pin of 4 digital display with 5V pin of Arduino Nano.
4. Connect GND pin of 4 digital display with GND pin of Arduino Nano.



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File Edit Sketch Tools Help



Interfacing_of_4_digital_display

```
#include <Arduino.h>
#include <TM1637Display.h>

// Module connection pins (Digital Pins)
#define CLK 8
#define DIO 7

// The amount of time (in milliseconds) between tests
#define TEST_DELAY 2000

TM1637Display display(CLK, DIO);

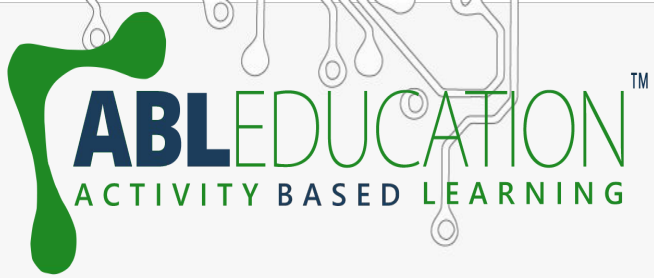
void setup()
{
}

void loop()
{

  display.setBrightness(0x0f);

  uint8_t data[] = { 0x0, 0x0, 0x0, 0x0 };

  display.showData(data);
}
```



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Interfacing_of_4_digital_display

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Project Link: https://youtu.be/pA_feNV7hbQ