//#include <LiquidCrystal.h>

//LiquidCrystal lcd(2, 3, 4, 5, 6, 7);

const int pulsePin = 8; // Input signal connected to Pin 8 of Arduino

int pulseHigh; // Integer variable to capture High time of the incoming pulse

int pulseLow; // Integer variable to capture Low time of the incoming pulse

float pulseTotal; // Float variable to capture Total time of the incoming pulse

float frequency; // Calculated Frequency

void setup()

{

Serial.begin(9600);

pinMode(pulsePin,INPUT);

/\* lcd.begin(16, 2);

lcd.setCursor(0,0);

lcd.print("Electronics Hub");

lcd.setCursor(0,1);

lcd.print(" Freq Counter "); \*/

delay(5000);

}

void loop()

{

/\* lcd.setCursor(0,0);

lcd.print("Frequency is ");

lcd.setCursor(0,1);

lcd.print(" "); \*/

pulseHigh = pulseIn(pulsePin,HIGH);

pulseLow = pulseIn(pulsePin,LOW);

pulseTotal = pulseHigh + pulseLow; // Time period of the pulse in microseconds

frequency=1000000/pulseTotal; // Frequency in Hertz (Hz)

Serial.println(frequency);

delay(1000);

/\* lcd.setCursor(0,1);

lcd.print(frequency);

lcd.print(" Hz");

delay(500); \*/

}