// Modified by Pat McMahon 23/5/2020

//A036-MFS4

// Source Utube video, took photo of Sketch & Typed.

#include <TimerOne.h>

#include <Wire.h>

//#include <MultiFuncShield.h>

#include <MultiFuncShieldKS0184.h>

const int triggerPin = 7;

const int echoPin = 6;

void setup() {

 // put your setup code here, to run once:

 pinMode(LATCH\_PIN, OUTPUT);

 pinMode(DATA\_PIN, OUTPUT);

 pinMode(CLK\_PIN, OUTPUT);

 pinMode(triggerPin, OUTPUT);

 pinMode(echoPin, INPUT);

 Serial.begin(9600);

 Timer1.initialize();

 MFS.initialize(&Timer1); //initialize multi-function shield library

 //initialize Sonar with low pass filter: SMOOTHING\_NONE, SMOOTHING\_MODERATE or SMOOTHING\_ STRONG

 MFS.initSonar (SMOOTHING\_MODERATE);

}

void loop() {

 // put your main code here, to run repeatedly:

 Serial.println((int)MFS.getSonarDataCm(triggerPin,echoPin));

MFS.write((int)MFS.getSonarDataCm(triggerPin,echoPin));

delay(1000);

}