/\*Pat McMahon 26/5/2020

 \* A032

 \* from Arduino-Project Hub

 \* Use the Serial Monitor to control voice recorder, "r" & enter to record,

 \* "p" & enter to play recording back.

\* ISD1820 Arduino Voice Recorder

\* to record and play sound using Arduino and ISD1820 Sound Recorder

\* get this code from https://www.gadgetprogrammers.online

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\* ISD1820 Arduino Voice Recorder

\* Code Written by Anshul Pareek for the purpose of education

\* on June 06, 2018 at 11:20 pm,

\*/

#define REC 2 // pin 2 is used for recording

#define PLAY\_E 3 // pin 3 is used for playback-edge trigger

#define FT 5 // pin 5 is used for feed through

// and will NOT record

#define playTime 5000 // playback time 5 seconds

#define recordTime 3000 // recording time 3 seconds you can extend time upto 10 seconds

void setup()

{

 pinMode(REC,OUTPUT);// set the REC pin as output

 pinMode(PLAY\_E,OUTPUT);// set the PLAY\_e pin as output

 pinMode(FT,OUTPUT);// set the FT pin as output

 Serial.begin(9600);// set up Serial monitor

}

void loop() {

 while (Serial.available() > 0) {

 char inChar = (char)Serial.read();

 if(inChar =='p' || inChar =='P'){

 digitalWrite(PLAY\_E, HIGH);

 delay(50);

 digitalWrite(PLAY\_E, LOW);

 Serial.println("Playbak Started");

 delay(playTime);

 Serial.println("Playbak Ended");

 break;

 }

 else if(inChar =='r' || inChar =='R'){

 digitalWrite(REC, HIGH);

 Serial.println("Recording started");

 delay(recordTime);

 digitalWrite(REC, LOW);

 Serial.println("Recording Stopped ");

 }

 Serial.println("###Serial Monitor Exited");

 }// wihile

Serial.println("### Enter r to record, p to play");

 delay(500);

}