void setup() {

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

Serial.begin(9600);

pinMode(7,OUTPUT);

pinMode(8,INPUT);

}

void loop() {

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

digitalWrite(7,LOW);

delayMicroseconds(2);

digitalWrite(7,HIGH);

delayMicroseconds(10);

digitalWrite(7,LOW);

float t=pulseIn(8,HIGH);

int d=(t/2)\*(0.034000);

//Serial.println(d);

// delay(300);

if(d>30)

{

Serial.println("empty");

delay(10);

}

else if((d>15)&&(d<=30))

{

Serial.println("filled");

delay(10);

}

else if((d>3)&&(d<15))

{

Serial.println("half filled");

delay(10);

}

}