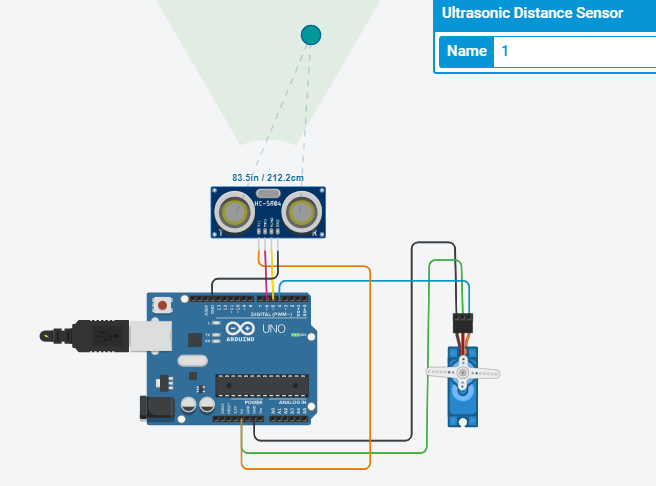
***ASSIGNMENT-2***



//C++

//

int trigpin = 6;

int echopin = 5;

#include<Servo.h>

Servo myservo;

void setup()

{

Serial.begin(9600);

myservo.attach(4);

pinMode(trigpin, OUTPUT);

pinMode(echopin, INPUT);

myservo.write(0);

}

void loop()

{

digitalWrite(trigpin, HIGH);

delay(1000);

digitalWrite(trigpin, LOW);

float duration = pulseIn(echopin, HIGH);

float distance = duration\*0.0343/2;

Serial.print("The distance is ");

Serial.println(distance);

if(distance>80) {

myservo.write(90);

Serial.println("The garage door is opened");

delay(5000);

myservo.write(0);

Serial.println("The garage door is closed");

}

else {

myservo.write(0);

}

}

**OUTPUT**

The distance is 0.00

The distance is 163.77

The garage door is opened

The garage door is closed

The distance is 67.55

The distance is 67.37

The distance is 67.55

The distance is 121.66

The garage door is opened

The garage door is closed

The distance is 159.84

The garage door is opened

The garage door is closed

The distance is 118.49

The garage door is opened