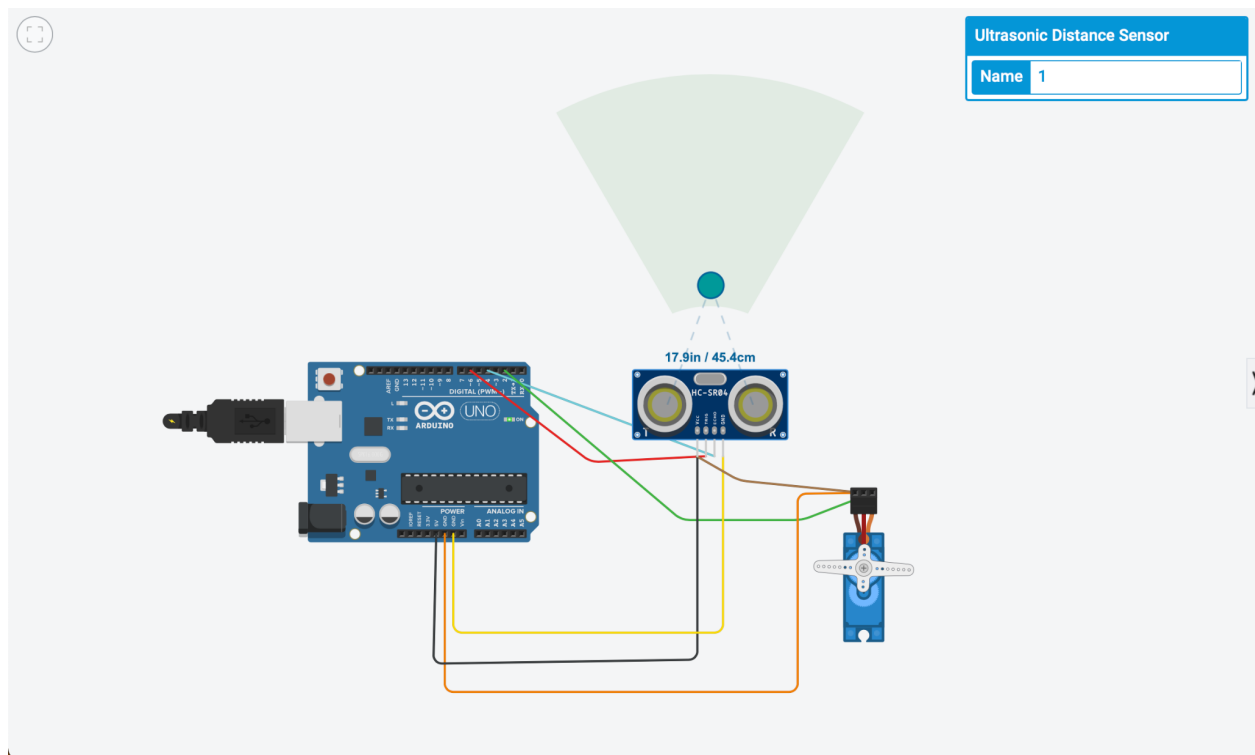# ASSIGNMENT 2

Automatic Garage Door Opening System
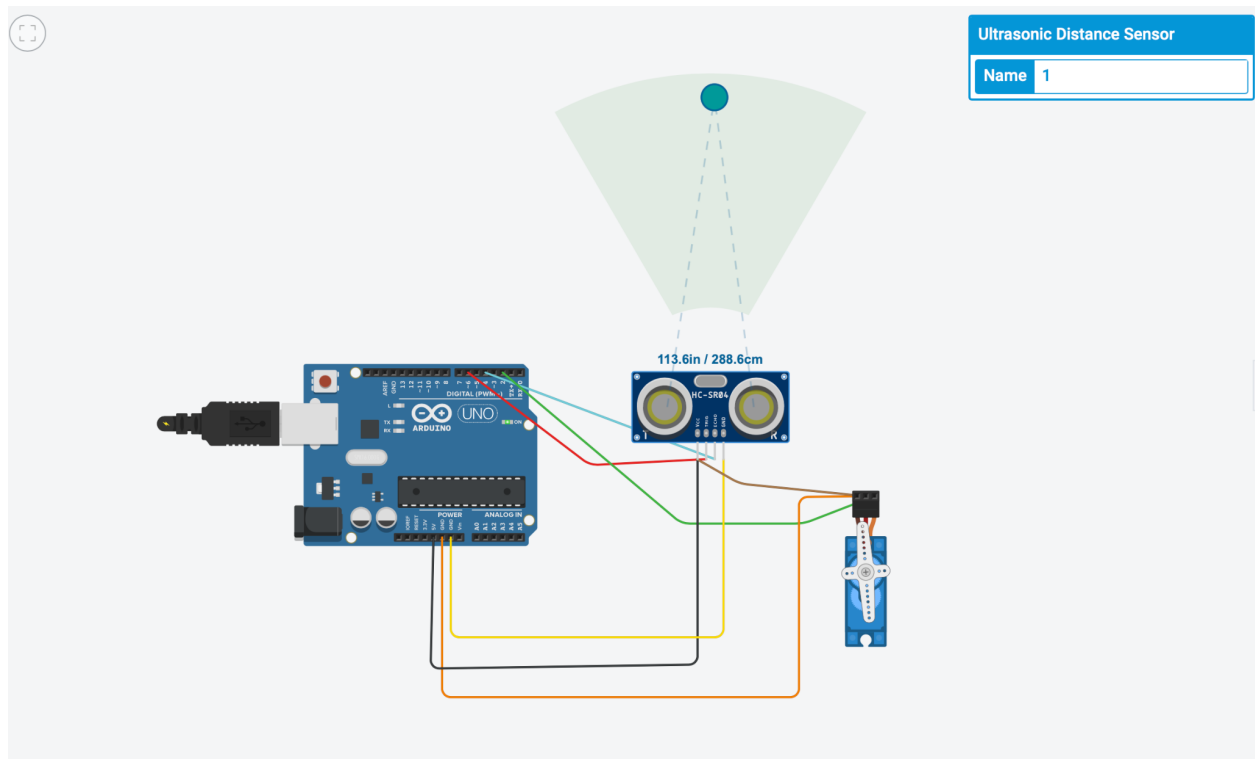
Name : Mayank Yadav

Reg no. : 19BCY10146

DOOR OPEN:

DOOR CLOSE:

CODE:

```
#include<Servo.h>
Servo s;
void setup()
{
Serial.begin(9600);
pinMode(6, OUTPUT);
pinMode(4, INPUT);
s.attach(2);
}
void loop()
{
digitalWrite(6, HIGH);
delayMicroseconds(10);
digitalWrite(6, LOW);
float dur = pulseIn(4, HIGH);
float dis = (dur*0.0343)/2;
if(dis <200)
s.write(90);
delay(2000);
s.write(0);
Serial.print("Distance in cm: ");
Serial.println(dis); }
```