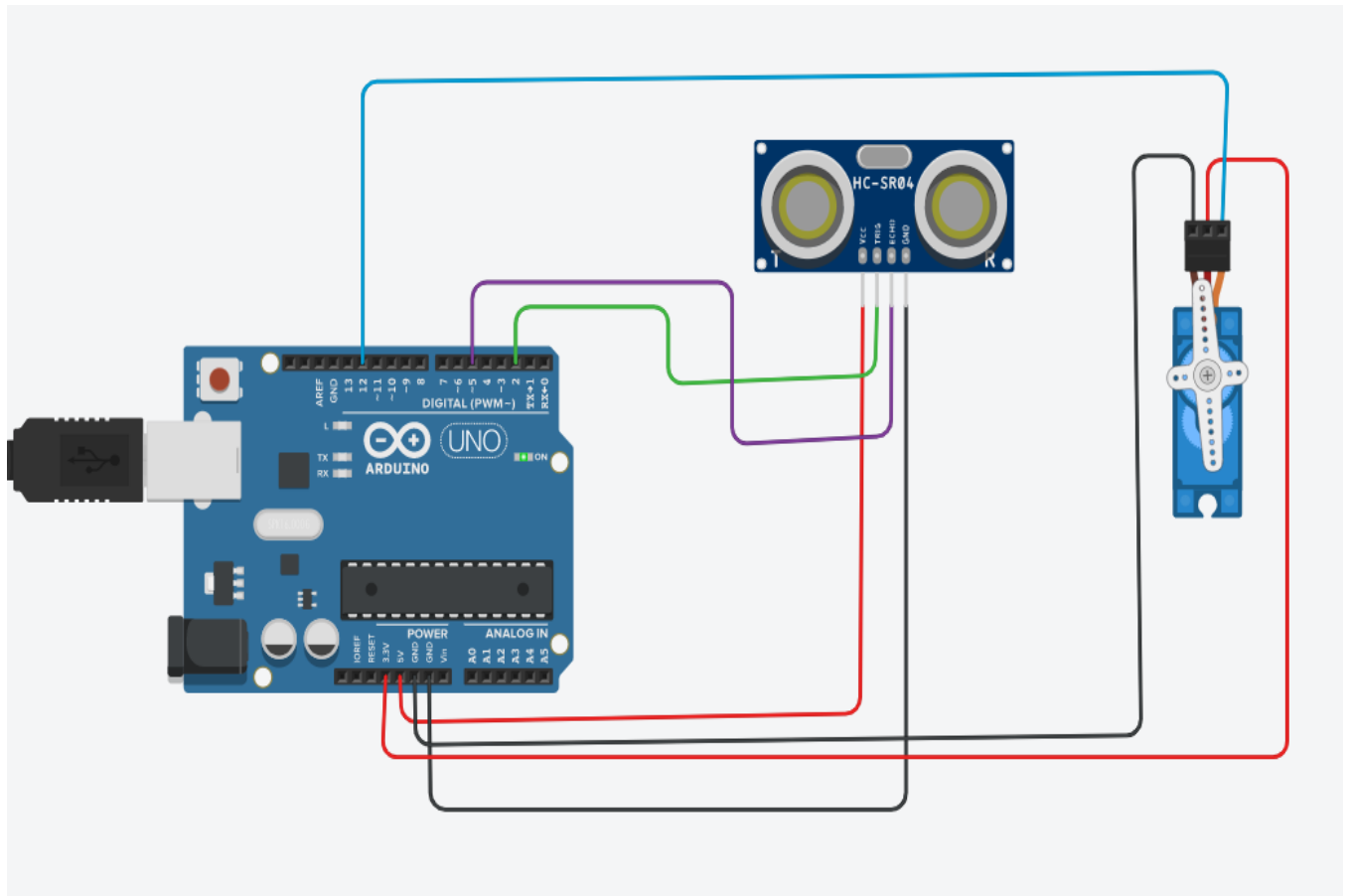


NAME:P.SRUTHI

ROLLNO:19R11A04H9

ASSIGNMENT-2

AUTOMATIC GARAGE DOOR OPENING SYSTEM



```
#include<Servo.h>

Servo myservo;

int trigpin=2;

int echopin=5;

void setup()
{
  pinMode(trigpin,OUTPUT);
  pinMode(echopin,INPUT);
  myservo.attach(12);
  Serial.begin(9600);
}

void loop()
{
  digitalWrite(trigpin,HIGH);
  delay(1000);
  digitalWrite(trigpin,LOW);
  float duration=pulseIn(echopin,HIGH);
  float distance=(duration*0.034)/2;
  Serial.println("the distance is");
  Serial.println(distance);
  if(distance<=100){
    myservo.write(0);
    Serial.println("servo is at a angle 0");
  }
}
```

```
delay(1000);  
myservo.write(90);  
Serial.println("servo is at a angle 90");  
delay(1000);  
myservo.write(180);  
Serial.println("servo is at a angle 180");  
delay(1000);  
myservo.write(0);  
Serial.println("servo is at a angle 0");  
delay(1000);  
}  
}
```