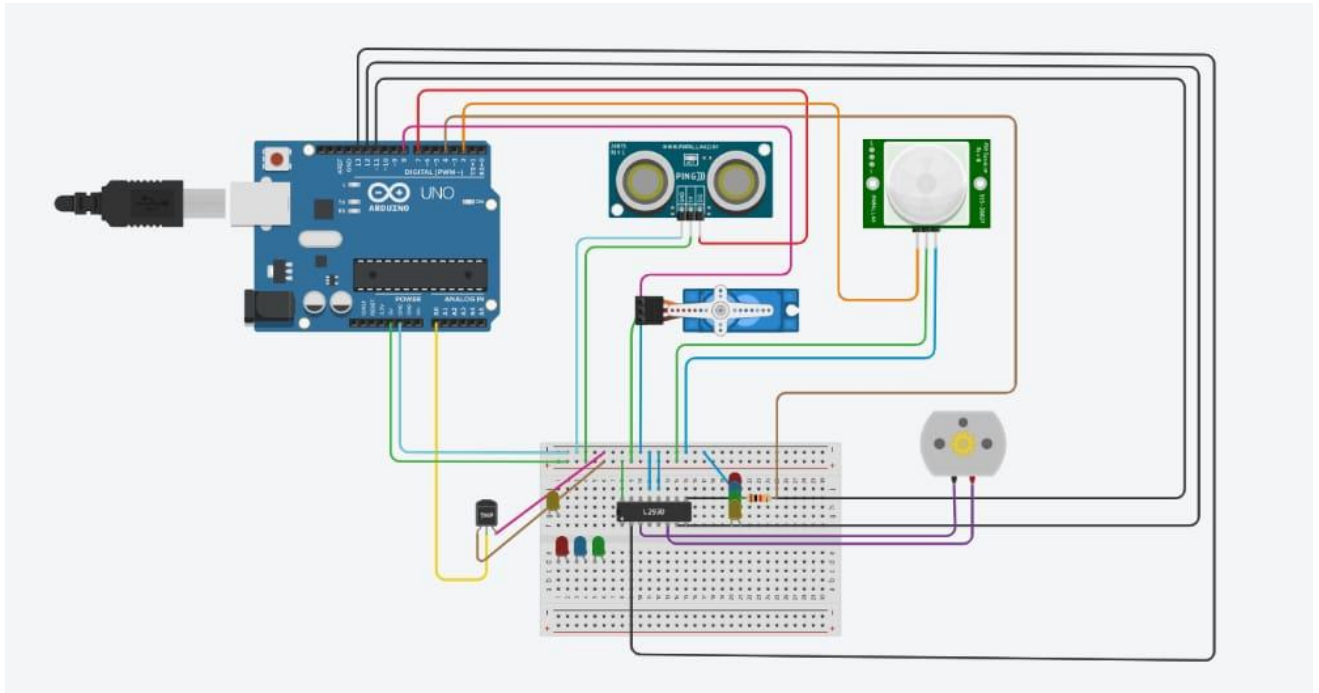
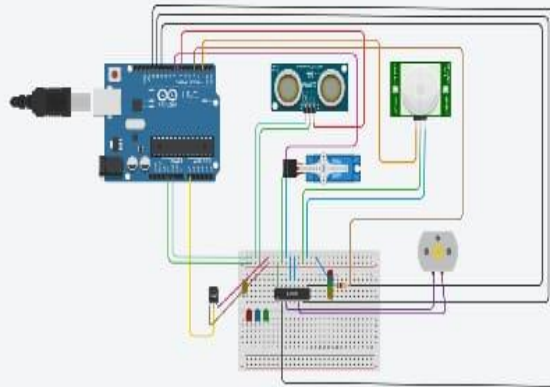


Assignment-1

Assignment Date	19 September 2022
Student Name	s.eashwar periya karuppan
Student Roll Number	411719106012
Maximum Marks	2 Marks

SMART HOME AUTOMATION :





Text



2 (Arduino Uno R3)

```
26 pinMode(pingPin, OUTPUT);
27 digitalWrite(pingPin, LOW);
28 delayMicroseconds(2);
29 digitalWrite(pingPin, HIGH);
30 delayMicroseconds(2);
31 digitalWrite(pingPin, LOW);
32
33 pinMode(pingPin, INPUT);
34 duration = pulseIn(pingPin, HIGH);
35
36 // convert the time into a distance
37 inches = microsecondsToInches(duration);
38 cm = microsecondsToCentimeters(duration);
39
40 Serial.println(inches);
41 Serial.println("in");
42 Serial.println(cm);
43 Serial.println("cm");
44 Serial.println();
45 delay(1000);
46
47 serial.write(0);
48
49 if (cm < 40)
```

Serial Monitor

```
44in, 115cm
Temperature
75.28
45in, 116cm
Temperature
75.28
46in, 115cm
Temperature
```

Send

Clear

