

Gas Sensor
 Name

```

81
82
83 //----- Gas Sensor -----//
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85
86 int val = analogRead(gas_sensor); //read sensor value
87 Serial.print("|| Gas Sensor Value = ");
88 Serial.print(val); //Printing in serial monitor
89 //val = map(val, 300, 750, 0, 100);
90 if (val > limit)
91 {
92     tone(8, 650);
93 }
94 delay(300);
95 noTone(8);
96
97 //----- servo motor -----//
98
99
100 senlValue = 0.01723 * readUltrasonicDistance(6, 6);
101
102 if (senlValue < 100)
103 {
104     servo_7.write(90);
105     Serial.print(" || Door Open! ; Distance = ");
106     Serial.print(senlValue);
107     Serial.print("\n");
108 }
109 else
110 {
111     servo_7.write(0);
112     Serial.print(" || Door Closed! ; Distance = ");
113     Serial.print(senlValue);
114     Serial.print("\n");
115 }
116 delay(10); // Delay a little bit to improve simulation performance
117
118

```

Serial Monitor

Bulb ON = 1017	NO Motion Detected	Gas Sensor Value = 391	Door Closed
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