OPEN SOURCE FRAME WORKS

TEAM ID: P N T2022TMID39755

```
int X=4;
int Y=5;

void setup()
{
 Serial.begin(9600);
 pinMode(X,OUTPUT);
 pinMode(Y,INPUT);
 pinMode(10,OUTPUT);
}

void loop()
{
 //ultrasonic sensor
 digitalWrite(X,LOW);
 digitalWrite(X,HIGH);
 delayMicroseconds(10);
 digitalWrite(X,LOW);
 float L=pulseIn(Y,HIGH);
 float M=(L*0.0343)/2;
 Serial.print("Distance is: ");
 Serial.println(B);

  //LED ON
 if(M>=150)
 {
```

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```
//Buzzer For ultrasonic Sensor
if(M>=150)
{
for(int i=0; i<=30000; i=i+10)
{
tone(12,i);
delay(1000);
noTone(12);
delay(1000);
}
}
```

```
 //Temperate Sensor
double N= analogRead(A0);
double O=(((N/1024)*5)-0.5)*100;
Serial.print("Temp Value: ");
Serial.println(Y);
delay(1000);
```

```
//LED ON
if(O>=120)
{
```

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```
  digitalWrite(5,HIGH);
  digitalWrite(6,HIGH);
}

//Buzzer for Temperature Sensor
if(O>=120)
{
for(int i=0; i<=30000; i=i+10)
{
tone(12,i);
delay(1000);
noTone(12);
delay(1000);
}
}

 //LED OFF
if(O<120)
{
  digitalWrite(5,LOW);
  digitalWrite(6,LOW);
}
```

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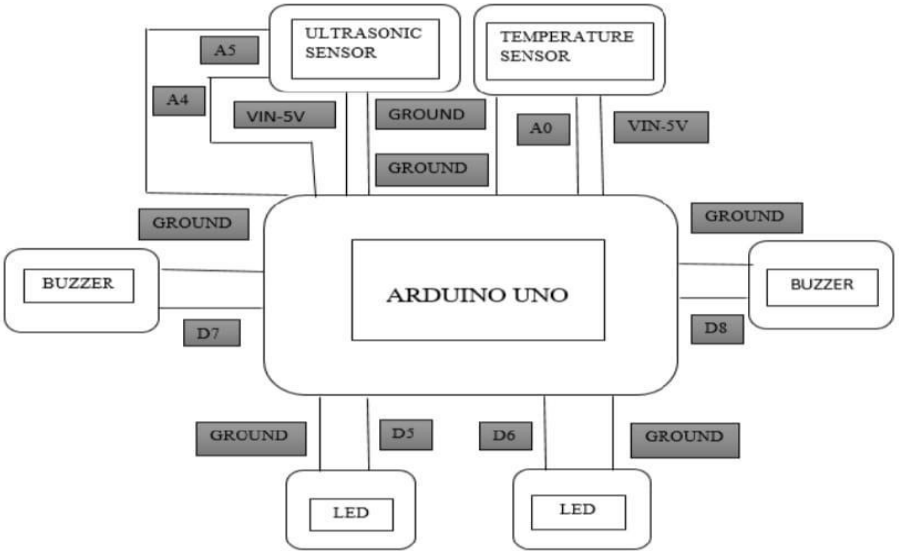

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}