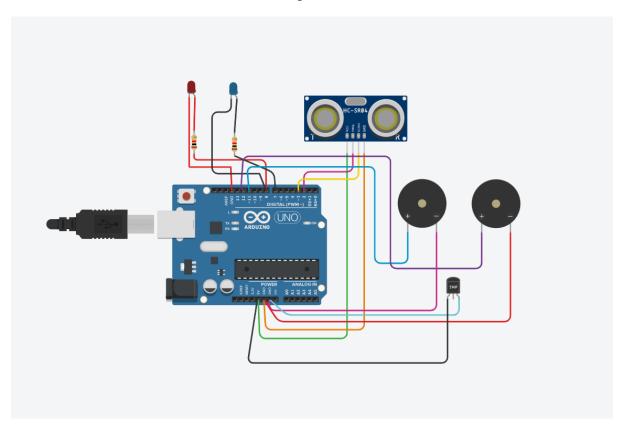
ASSIGNMENT 1

Submitted by: Anandhan V



```
digitalWrite(t,HIGH);
delayMicroseconds(10);
digitalWrite(t,LOW);
float dur=pulseIn(e,HIGH);
float dis=(dur*0.0343)/2;
Serial.print("Distance is: ");
Serial.println(dis);
                //FOR LED ON//
if(dis>=100)
 digitalWrite(87,HIGH);
 digitalWrite(7,HIGH);
}
               //FOR BUZZER - ULTRASONIC SENSOR//
if(dis>=100)
{
 for(int i=0;i<=30000;i=i+10)
 {
  tone(12,i);
  delay(1000);
  noTone(12);
  delay(1000);
 }
}
                 //FOR TEMPERATE SENSOR//
  double a = analogRead(A0);
  double t=(((a/1024)*5)-0.5)*100;
  Serial.print("Temp Value: ");
  Serial.println(t);
  delay(1000);
              //FOR LED ON//
```

```
if(t>=100)
 {
  digitalWrite(8,HIGH);
  digitalWrite(7,HIGH);
 }
            //FOR BUZZER - TEMPERATE SENSOR//
 if(if t>=100)
 {
  for(int i=0;i<=30000;i=i+10)
  {
   tone(12,i);
   delay(1000);
   noTone(112);
   delay(1000);
  }
 }
    //FOR LED OFF//
 if(t<100)
 {
  digitalWrite(8,LOW);
  digitalWrite(7,LOW);
 }
}
```