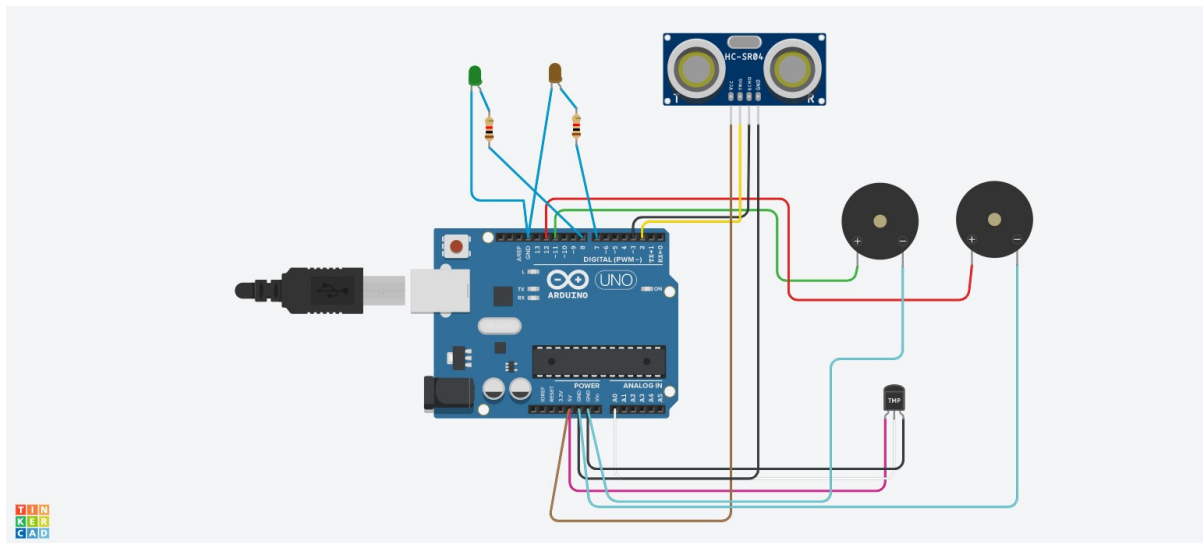


## ASSIGNMENT -1

NAME: DEVI.K

TEAM ID: PNT2022TMID41836

ROLL NO: 622419104010



## CODE

```
int t=2;

int e=3;

void setup()
{
  Serial.begin(9600);
  pinMode(t,OUTPUT)
;pinMode(e,INPUT);
  pinMode(12,OUTPUT
  T);
}

void loop()
{
  // ultrasonic
  sensor digitalWrite(t,
  LOW);digitalWrite(t,
  HIGH);delayMicrose
conds(10);digitalWrite
```



Edit with WPS Office

te(t,LOW);



```

float
dur=pulseIn(e,HIGH);f
loat
dis=(dur*0.0343)/ 2;Se
rial.print("Distance is:
");Serial.println(dis);

// LED ON
if (dis>=100)
{
digitalWrite(8,HIGH);digitalWrite(
7,HIGH);
}

// Buzzer For ultrasonic
Sensor if (dis>=100)
{
for(int i=0;i<=30000;i=i+10)
{
tone(12,i);
delay(100
0);noTone(
12);delay(
1000);
}
}

```

```

// Temper ate
Sensor double a=alogR
ead(A0);

```



```
double t=((a/ 1024)*5)-  
0.5)*100;Serial.print("Temp  
Value:");
```



```
Serial.println  
(t);delay(100  
0);
```

```
// LED  
ON if (t>  
=100)  
{  
  digitalWrite(8,H  
  IGH);digitalWrite(  
  7,HIGH);  
}
```

```
// Buzzer for Temperature  
Sensor if (t>=100)  
{  
  for(int i=0;i<=30000;i=i+10)  
  {  
    tone(12,i);  
    delay(100  
    0);noTone(  
    12);delay(  
    1000);  
  }  
}
```

```
// LED OFF  
if (t<100)  
{  
  digitalWrite(8,LO  
  W);digitalWrite(  
  7,LOW);  
}
```



}

