TEAMID	PNT2022TMID17666
PROJECTNAME	IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION
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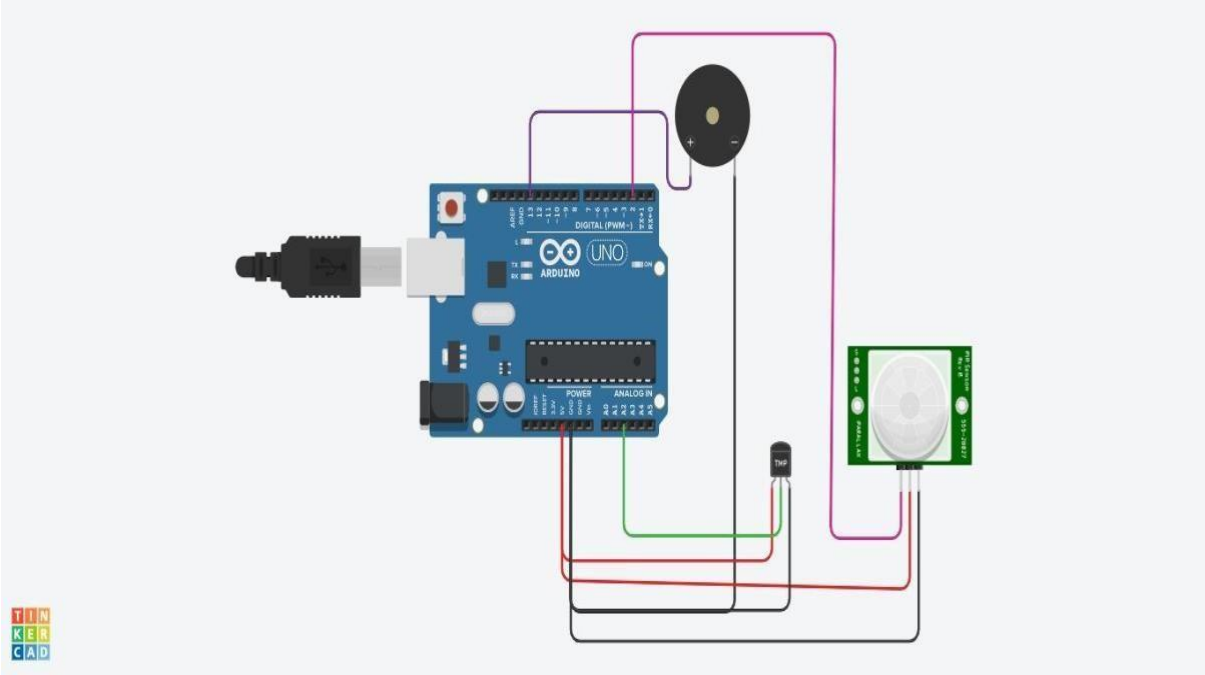
ASSIGNMENT-1

Create a circuit with piezoalarm,PIRsensor,tmp sensor with below functionalities:

1.Alarm should sound in one manner if temp is above 60 C 2.Alarm should sound with another frequency if motion is detected in PIR sensor



CIRCUIT

```
// C++ code
//
void setup()
{
Serial.begin(9600);
pinMode(2,INPUT);
pinMode(13,OUTPUT);
}
void loop()
{
int motion=digitalRead(2);
Serial.print("Position is");
Serial.println(motion);
if(motion==1){
tone(13,100);
delay(500);
  }
else{
noTone(13);
  }
double data=analogRead(A2);
double n=data/1024;
double volt=n*5;
double off=volt-0.5;
int temp=off*100;
Serial.print("Temperature is:");
Serial.println(temp);
if(temp>=60){
tone(13,400);
```

```
delay(500);
  }
else{
noTone(13);
  }
}
```

OUTPUT: