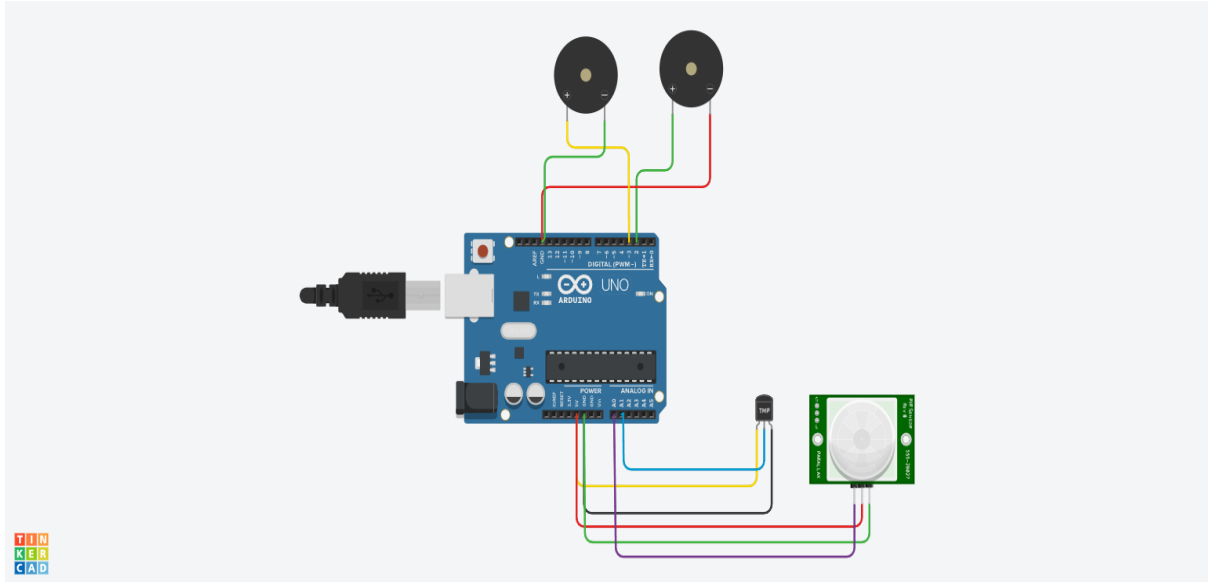NAME   : DURGA SREE S

REG NO: 810019205031

ASSIGNMENT: 1

CODE:

```
byte tmp=A1;

byte buzzer=2;

byte buzzer1=3;

byte PIR=A0;


int tmplevel,tmplevel1,PIR1,gas1;


void setup()
{
  pinMode(buzzer, OUTPUT);
  pinMode(tmp,INPUT);
  pinMode(PIR, INPUT);
  pinMode(buzzer, OUTPUT);
  pinMode(buzzer1, OUTPUT);
  Serial.begin(9400);
```

```arduino
}

void loop()
{
 tmplevel=analogRead(tmp);
 PIR1=digitalRead(PIR);
 int b=map(gas1,0,1023,0,255);
 tmplevel1=tmplevel*0.488;
 //Temperature chech
 if(tmplevel1>60)
 {
  Serial.println("Temperature High");
  Serial.println(tmplevel1);
  digitalWrite(buzzer,HIGH);
  delay(100);

 }
 else
 {
  Serial.println("Temperature Low");
  digitalWrite(buzzer,LOW);
 }
 //Movement check
 if(PIR1==HIGH)
 {
  Serial.println("Movement Detected");
  digitalWrite(buzzer1,HIGH);
  delay(100);

 }
 else
```

```
  {
   Serial.println("Movement  not Detected");
   digitalWrite(buzzer1,LOW);
  }


}
```

```
  {
   Serial.println("Movement  not Detected");
   digitalWrite(buzzer1,LOW);
```