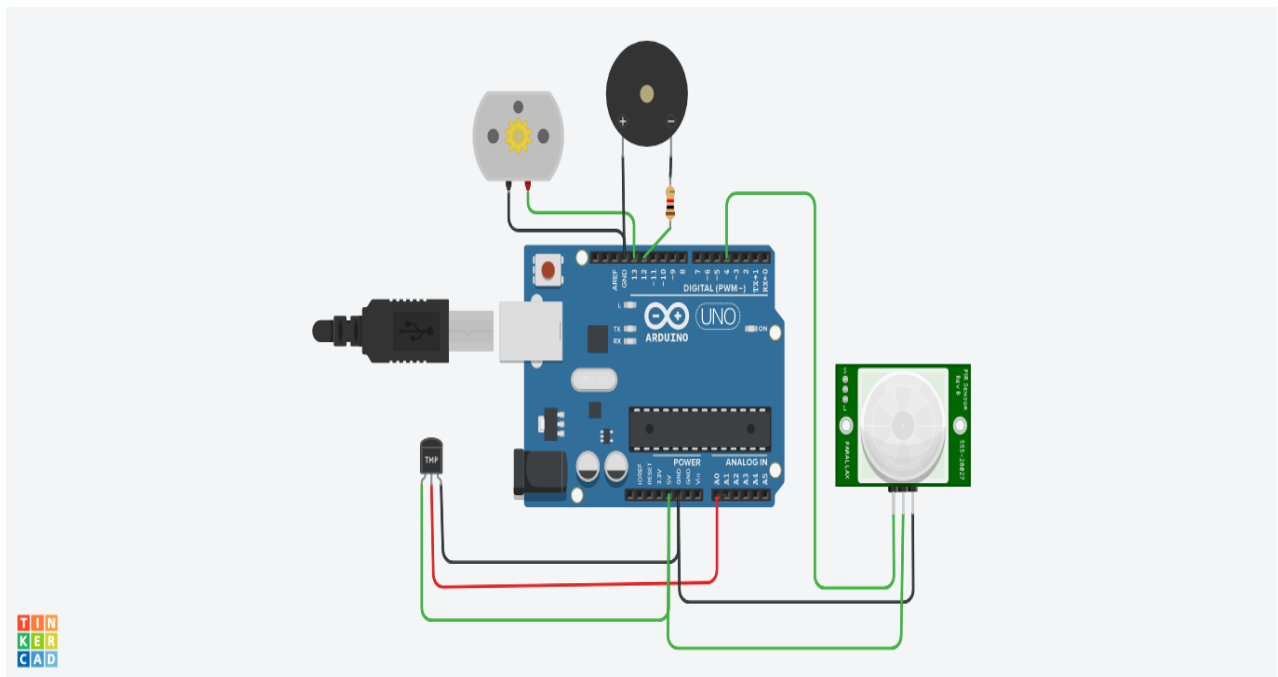# IBM-NALAIYA THIRAN
ASIGNMENT-1

ELPHIN JOSNELL AS
950819106009

CIRCUIT DIAGRAM

PROGRAM:

```
float tempsensor=A0;
int pir=4;
```

```
int fan=13;
int buzzer=12;

void setup() {
 Serial.begin(9600);
 pinMode(tempsensor,INPUT);
 pinMode(pir,INPUT);
 pinMode(fan,OUTPUT);
 pinMode(buzzer,OUTPUT);

}

void loop() {
 float temp=analogRead(tempsensor);
  Serial.println(temp);


  if(temp>150)
     digitalWrite(fan,HIGH);
    else
     digitalWrite(fan,LOW);


  int pirvalue=digitalRead(pir);
  Serial.println(pirvalue);
  if(pirvalue==1)
    digitalWrite(buzzer,HIGH);
  else
    digitalWrite(buzzer,LOW);
  tone(10,200,50);
  delay(100);
}
```

TINKERCAD LINK:

https://www.tinkercad.com/things/gUrKQZwtr
Fi-temperature-
sensor/editel?sharecode=LznkPjRvWzW8DJek3R
_yjNf5JdGlyk5BxGTefuhfgBM

}