Assignment -1

Assignment Date	15 September 2022
Student Name	M.NARENDRA YADAV
Student Roll Number	721419106021
Maximum Marks	2 Marks

HOME AUTOMATION

CIRUIT DESIGN
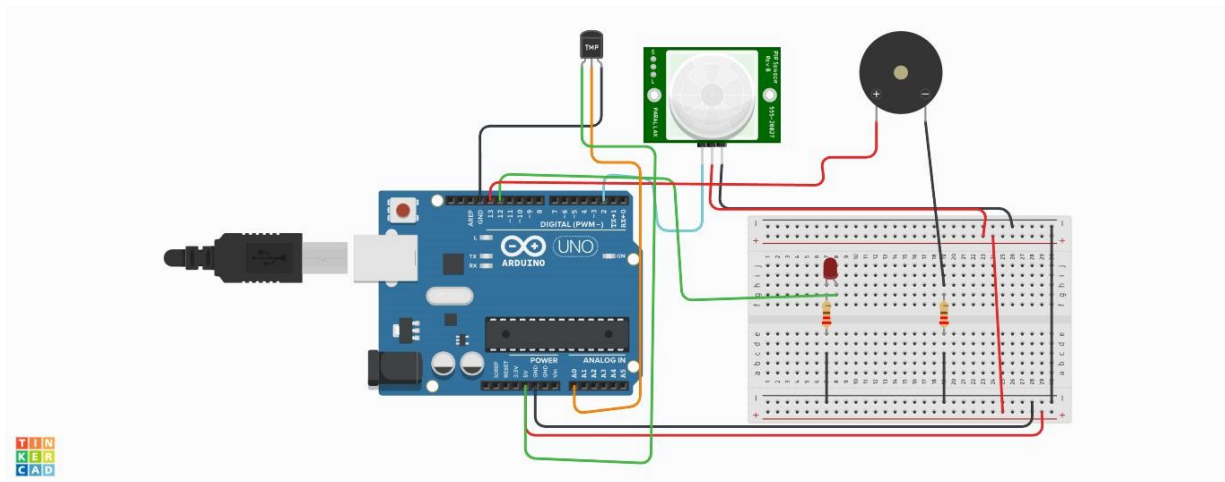
CODE

```
int pinSensor =2; int pinLed
```

```
=12; int pinBuzzer =13; int
pirSensor =0;
 void
setup() {
  Serial.begin(9600);

  pinMode(pinSensor, INPUT);
pinMode(pinLed, OUTPUT);
pinMode(pinBuzzer, OUTPUT);

}
void loop() {
  pirSensor = digitalRead(pinSensor);
if (pirSensor == HIGH)
  {
   digitalWrite(pinLed, HIGH);
tone(pinBuzzer, 1000,500);

}
else{
  digitalWrite(pinLed, LOW);
   }
  delay(10);
{
  double a = analogRead(A0);
double c = (((a/1024)*5)-0.5)*100;
  Serial.print("Celsius valueL: ");
  Serial.println(c);
delay(1000);
}
}
```

Reference Link: