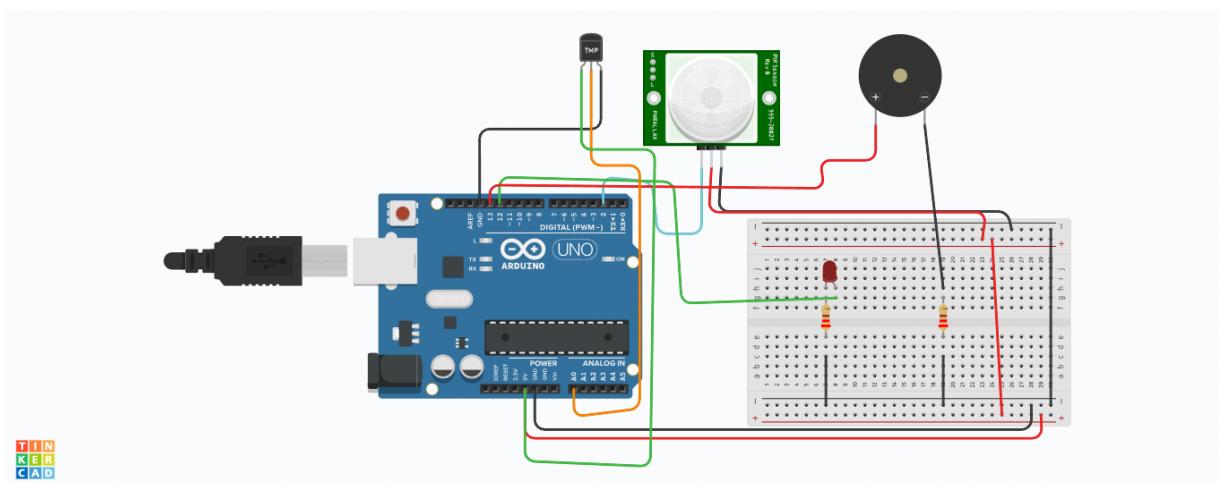


Assignment -1

Assignment Date	15 September 2022
Student Name	Madhavika.R
Student Roll Number	510119106007
Maximum Marks	2 Marks

HOME AUTOMATION

CIRCUIT 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:

<https://www.tinkercad.com/things/7kp6NAUg8Fp-fantabulous-jaagub/edit#>