

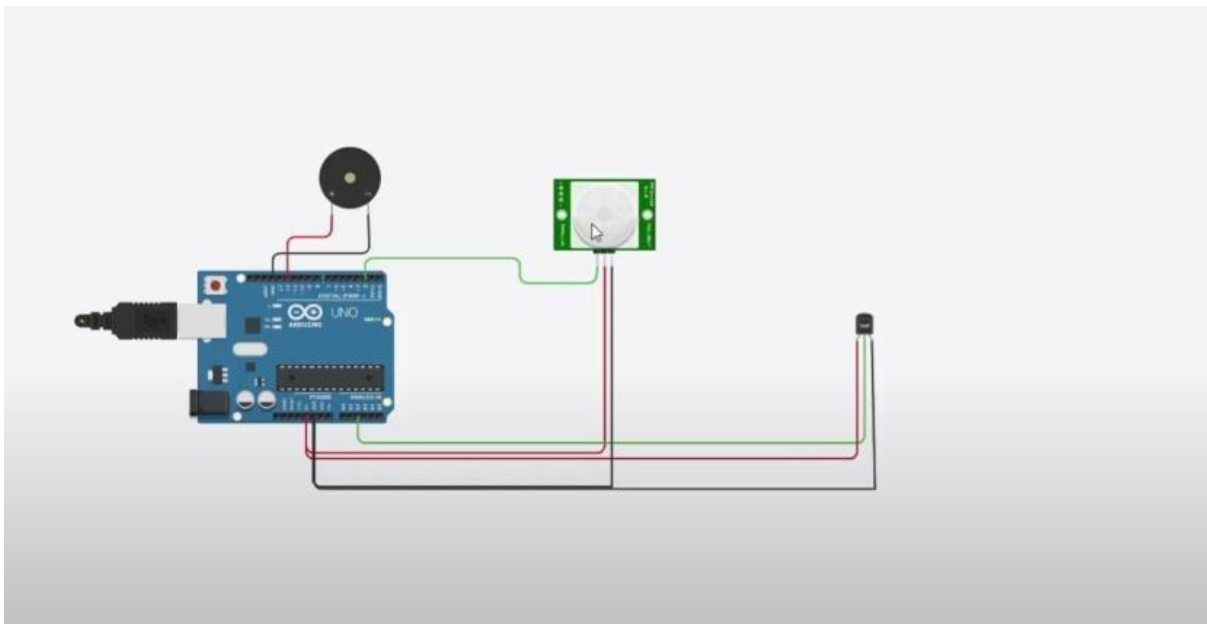
ASSIGNMENT-1

Name: RITHIKA R

College: Sona College Of Technology

Create a circuit with Piezoalarm, PIR sensor, and temp sensor with the below functionalities:

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



CODING:

```
void setup()
{
    Serial.begin(9600);
    pinMode(2,INPUT);
```

```

    pinMode(12,OUTPUT);
}

void loop()
{
    int motion=digitalRead(2);
    if(motion==1){Serial.println("Moton
    detected");
tone(12,10);
delay(1000);
noTone(12);
delay(1000);
    }
    else{
        Serial.println("Nomotion");
    }
    doubledata=analogRead(A2);

    doublen=data/1024;
    double volt=n*5;
    doubleoff=volt-0.5;
    double temperature=off*100;
    Serial.print("Temperaturedata:");
    Serial.println(temperature);
    if(temperature>60.00)
    {

        tone(12,100);d

```

```

    delay(500);noT
    one(12);delay(
    500);
}

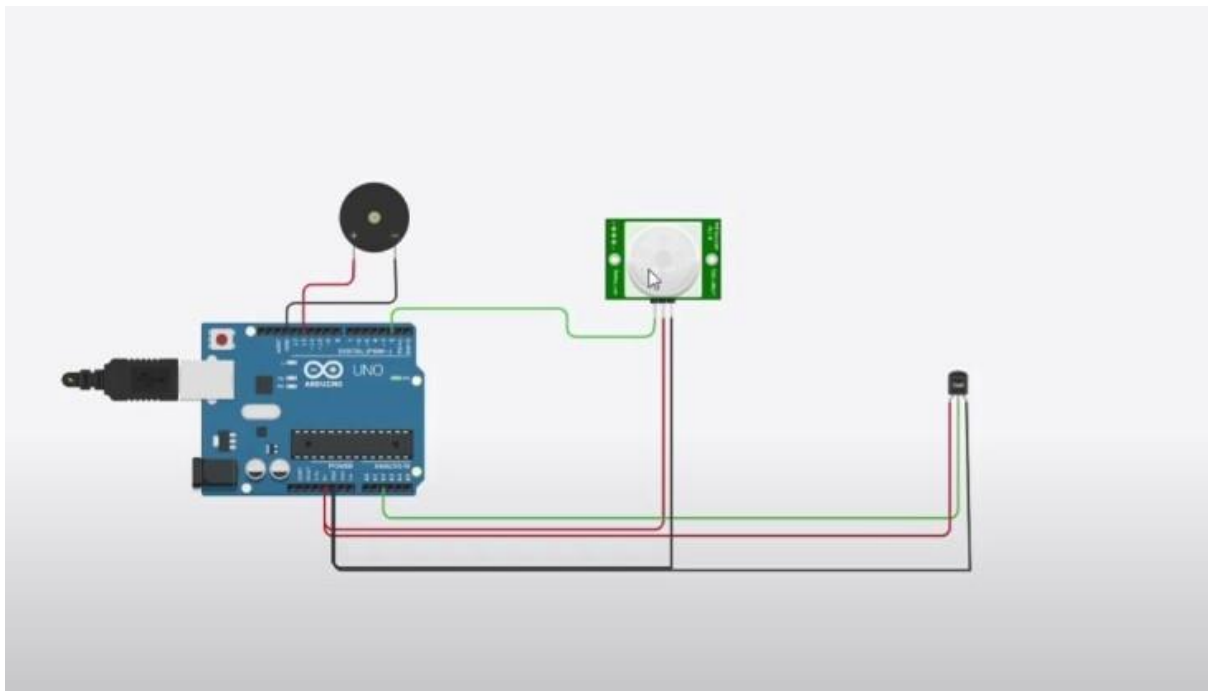
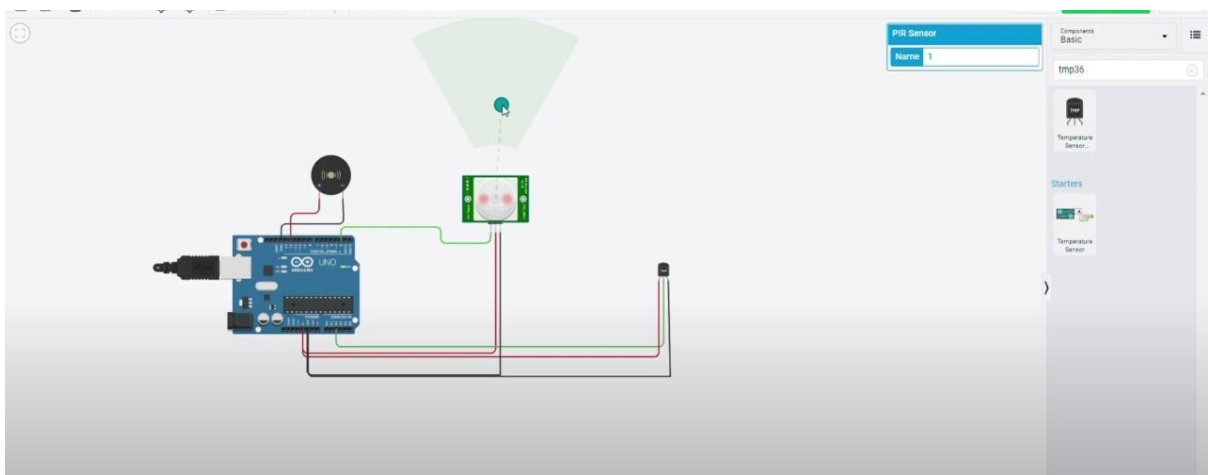
```

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}

```

OUTPUT :



SIMULATIONLINK:

<https://drive.google.com/file/d/1WsO0qm42ZsLrhDD1oAiO9JtdkCLeq38Q/view?usp=drivesdk>