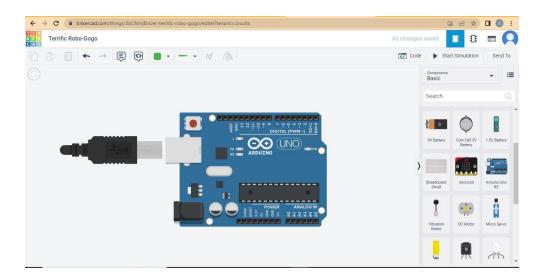
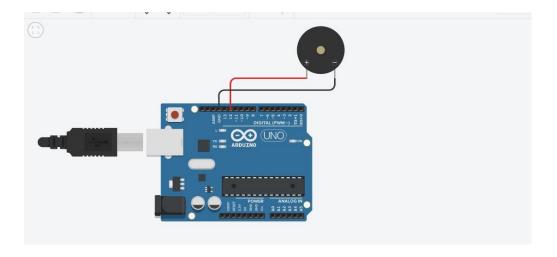
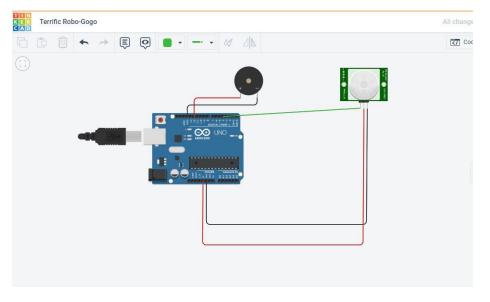
Assignment -1

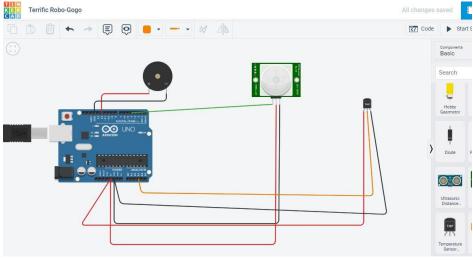
QUESTION:

- 1. Alarm should sound in one manner if temp is above 60c.
- 2. Alarm should sound with another frequency if motion is detected in PIR sensor. Included following sensor: Arduino, PIR sensor, TMP sensor, piezo alarm.









CODE:

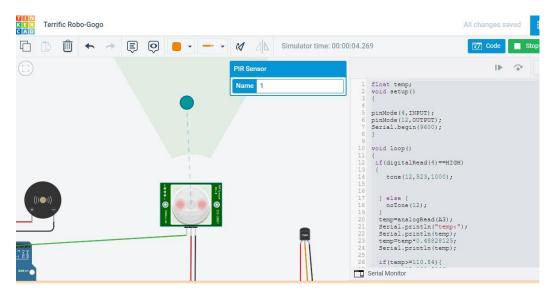
```
float temp;
void setup()
{
```

pinMode(4,INPUT);
pinMode(12,OUTPUT);
Serial.begin(9600);

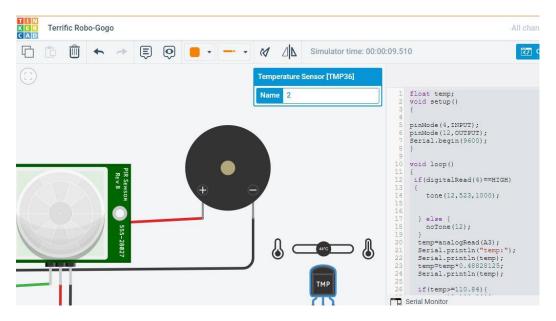
```
}
void loop()
{
if(digitalRead(4)==HIGH)
{
  tone(12,523,1000);
 } else {
  noTone(12);
 }
 temp=analogRead(A3);
 Serial.println("temp:");
 Serial.println(temp);
 temp=temp*0.48828125;
 Serial.println(temp);
 if(temp>=110.84){
  tone(12,100,2000);
  Serial.println("Above 60 c temperture");
 }
 else{
 noTone(12);
 }
}
```

Output:

PIR Sensor alarm



Low Temperature:



High Temperature:

