Assignment -1

Team ID	PNT2022TMID41909
Project Name	Signs with Smart Connectivity for Better Road Safety
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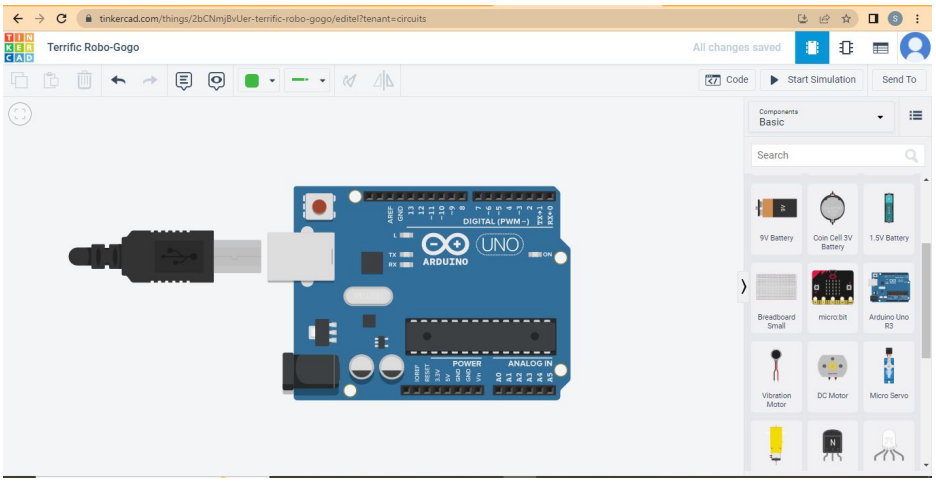
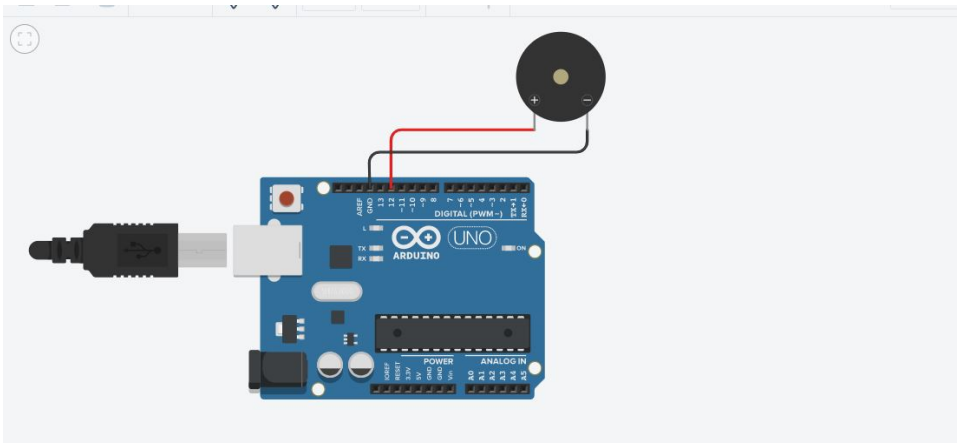
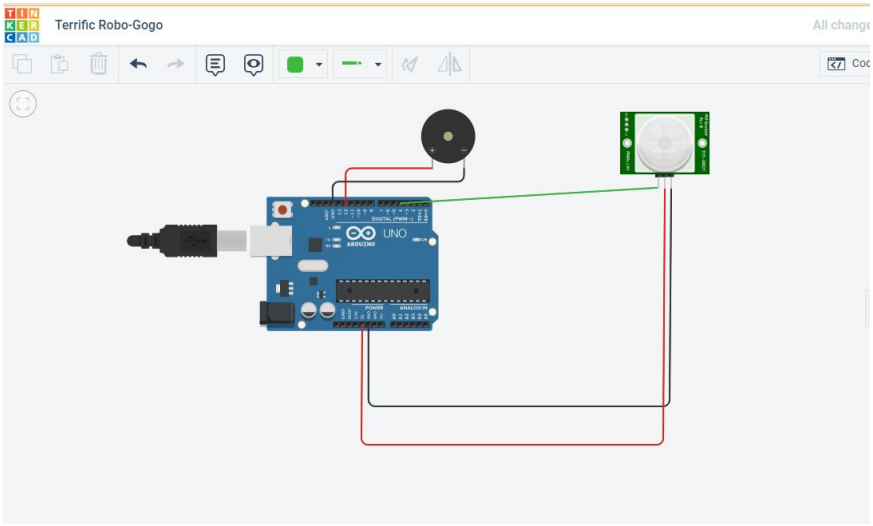
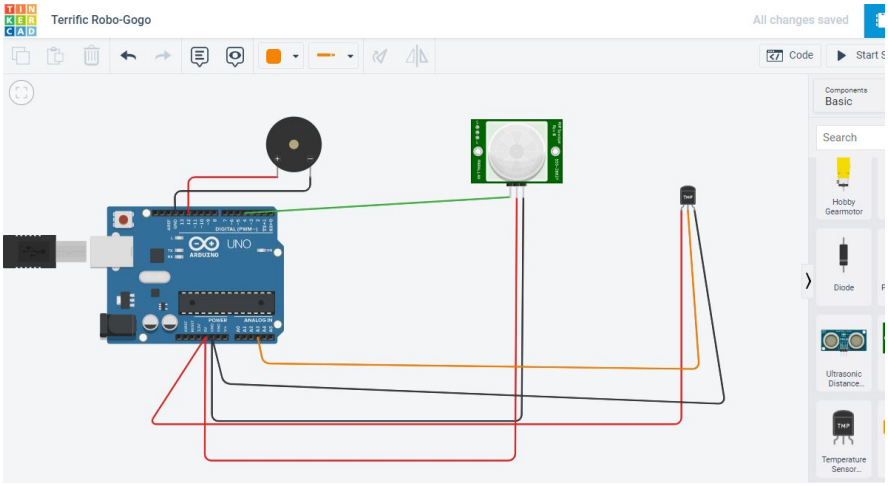
Question:

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.**









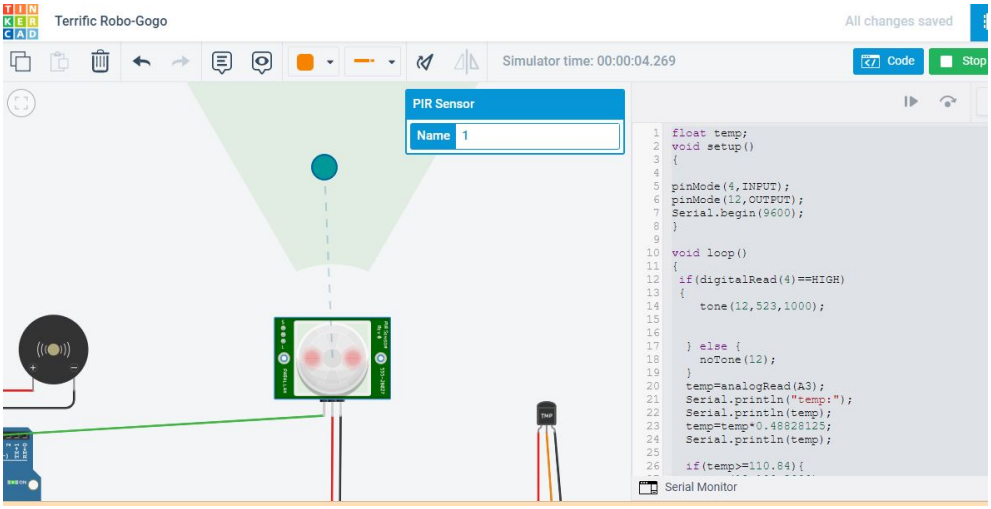
CODE:

```
float temp;

void setup()

{


pinMode(4,INPUT);

pinMode(12,OUTPUT);

Serial.begin(9600);
```

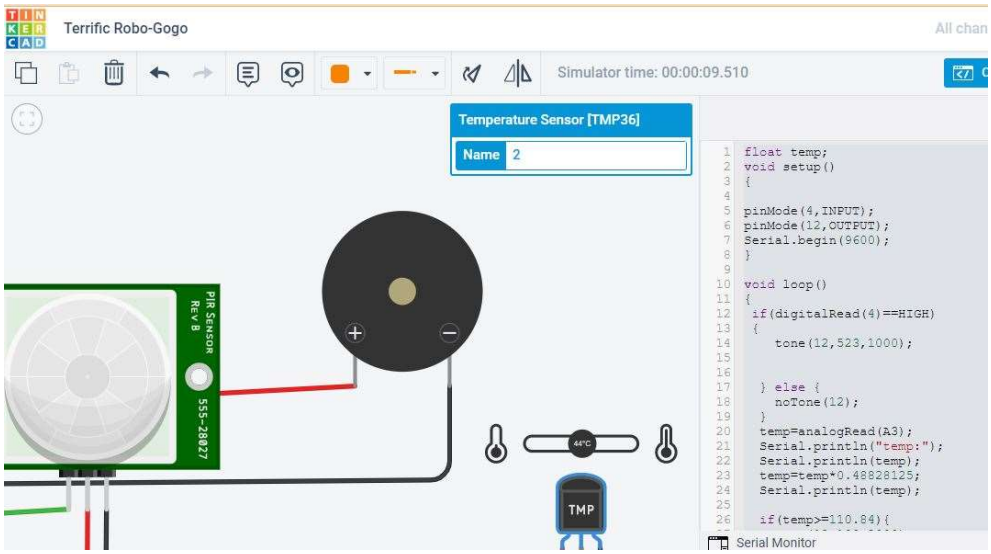
```
}

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 6o c temperture");
 }
 else{
 noTone(12);
 }
}
```

Output:

PIR Sensor alarm



Low Temperature:



High Temperature: