

Program we coded in arduino

```
int temppin=A0;//for the tempsensor working
```

```
float temp=0;
```

```
int piezoPin= 8;
```

```
float PIR=3;//for the pirsensor working
```

```
void setup() {
```

```
    Serial.begin(9600);
```

```
    pinMode(temppin,INPUT);
```

```
    pinMode(PIR,INPUT);
```

```
    pinMode(piezoPin,OUTPUT);
```

```
}
```

```
void loop() {
```

```
    if(digitalRead(PIR)==HIGH){
```

```
        digitalWrite(piezoPin,HIGH);
```

```
        tone(piezoPin,1000);
```

```
        delay(1000);
```

```
        noTone(piezoPin);
```

```
        Serial.println("Movement Detected");
```

```
    }
```

```
    double data=analogRead(temppin);
```

```
    double n=data/1024;
```

```
    double temp=((n*5)-0.5)*100;
```

```
    Serial.print("temp: ");
```

```
    Serial.println(temp);
```

```
    if (temp >60) {
```

```
        digitalWrite(piezoPin,HIGH);
```

```

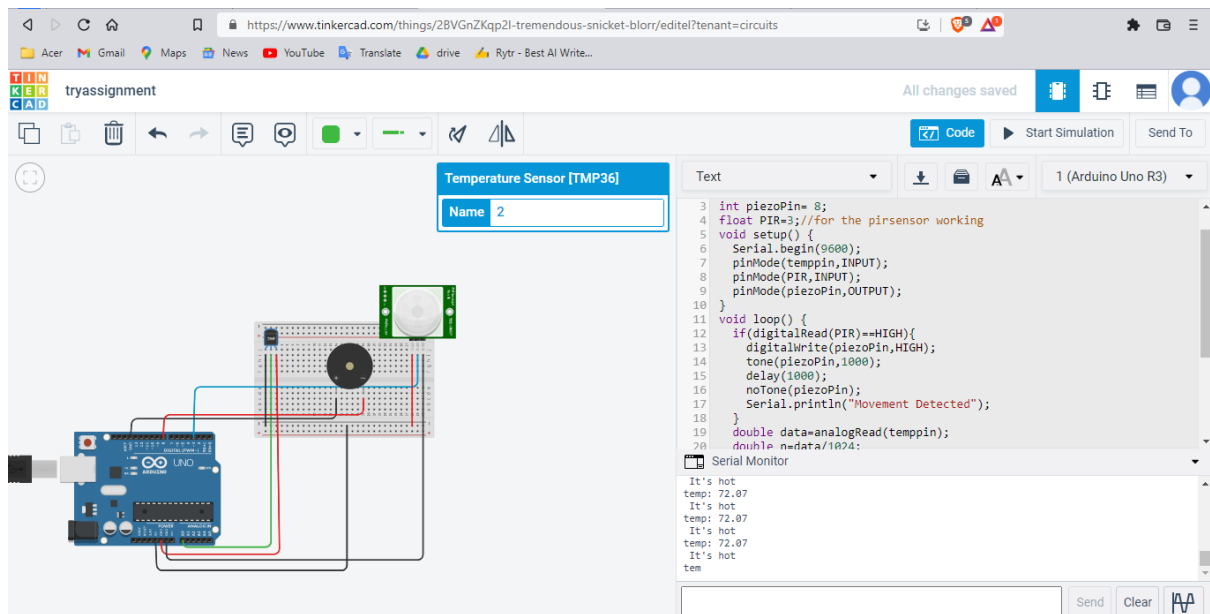
tone(piezoPin,45,50);

Serial.println(" It's hot");

}

}

```



The code didn't for the pir sensor, maybe the connection is wrong.