

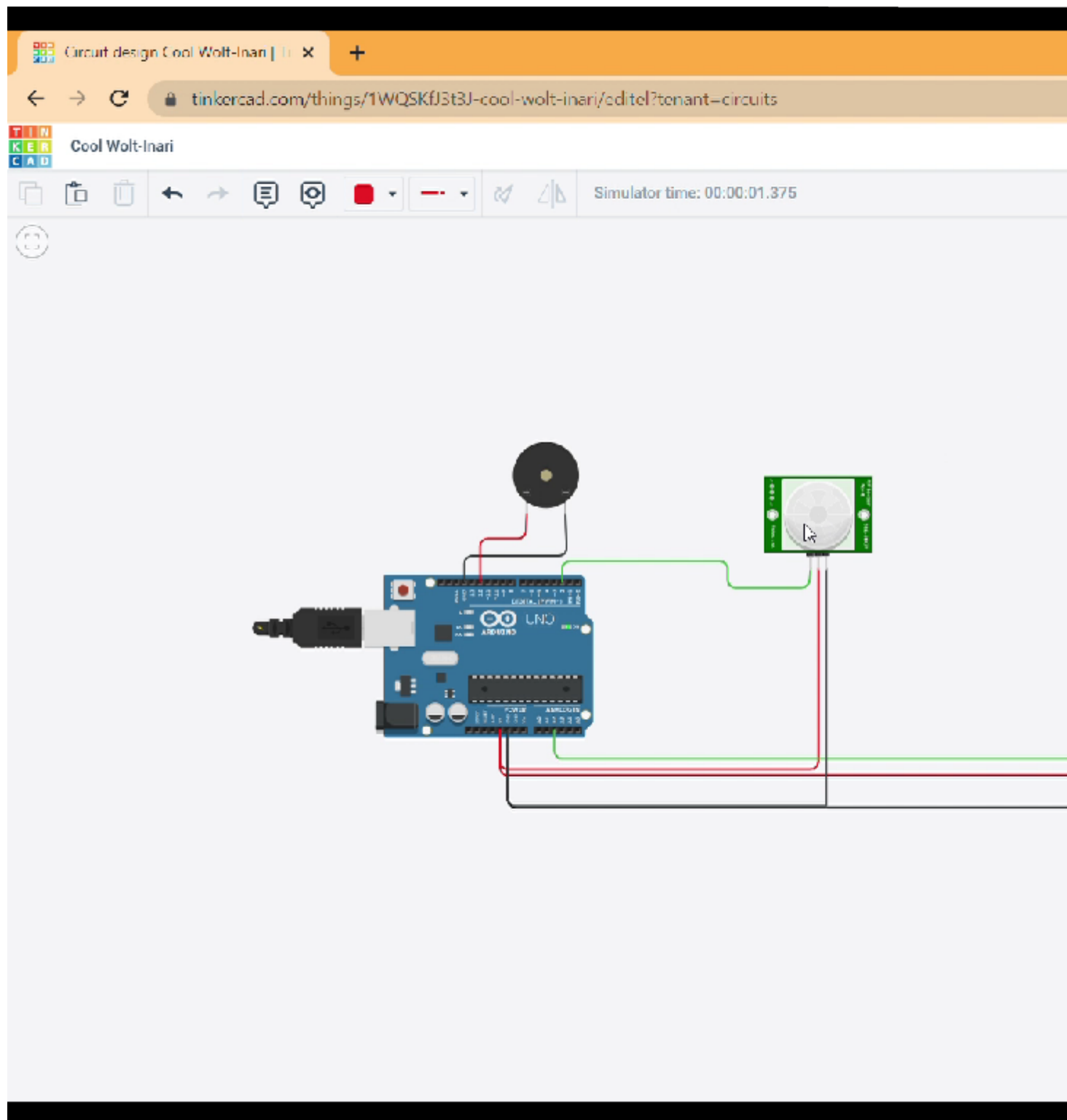
IOT ASSIGNMENT-1

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Create circuit with Piezo alarm, PIR sensor, tmp sensor with 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:

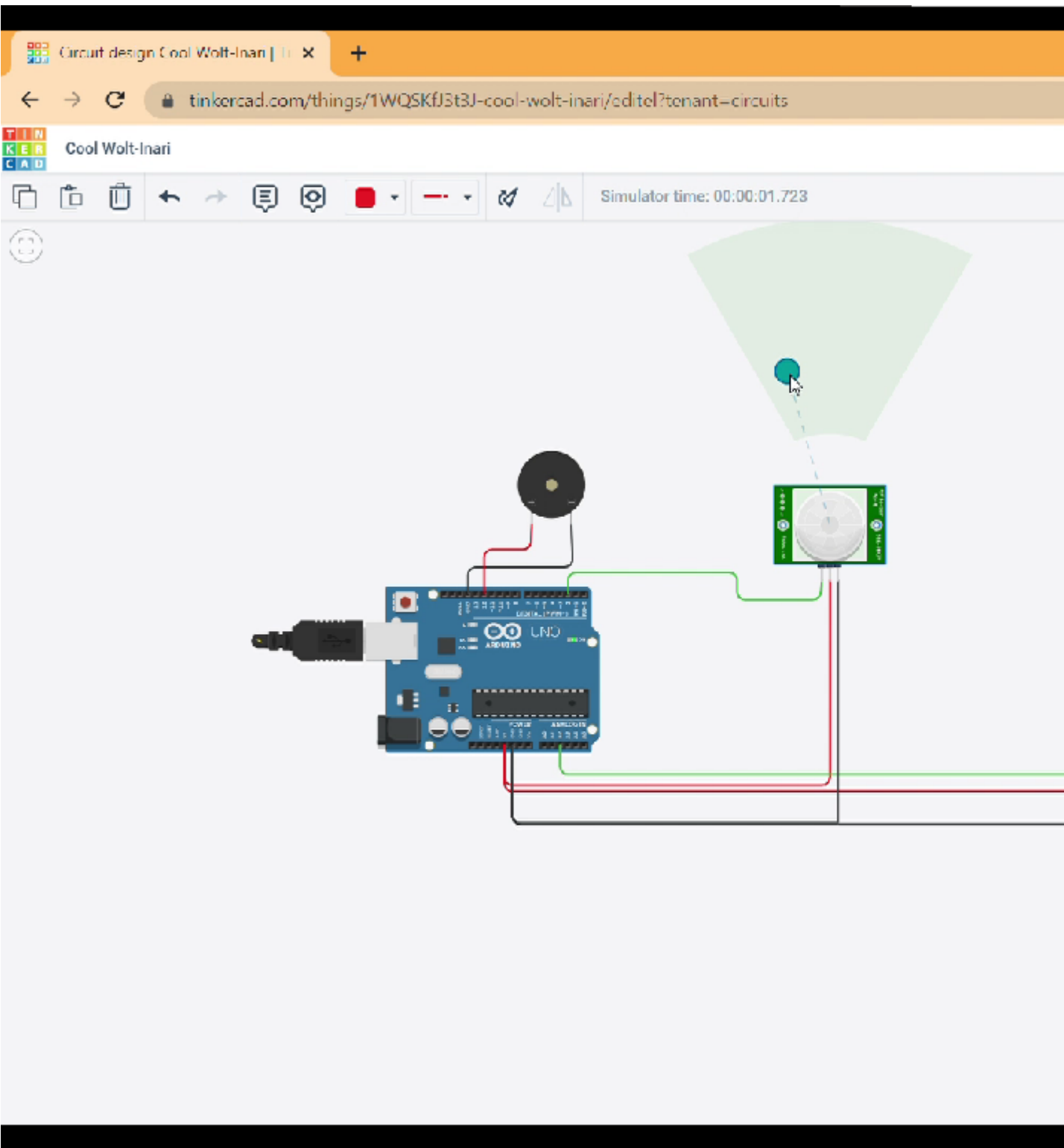
```
void setup()
{
  Serial.begin(9600);pin
  Mode(2,INPUT);pinMo
  de(12,OUTPUT);
}
void loop()
{
  int
  motion=digitalRead(2);if(motion=
  =1){Serial.println("Motion
  detected");tone(12,10);
    delay(1000);
    noTone(12);
    delay(1000);
  }
  else{
    Serial.println("No motion");
```

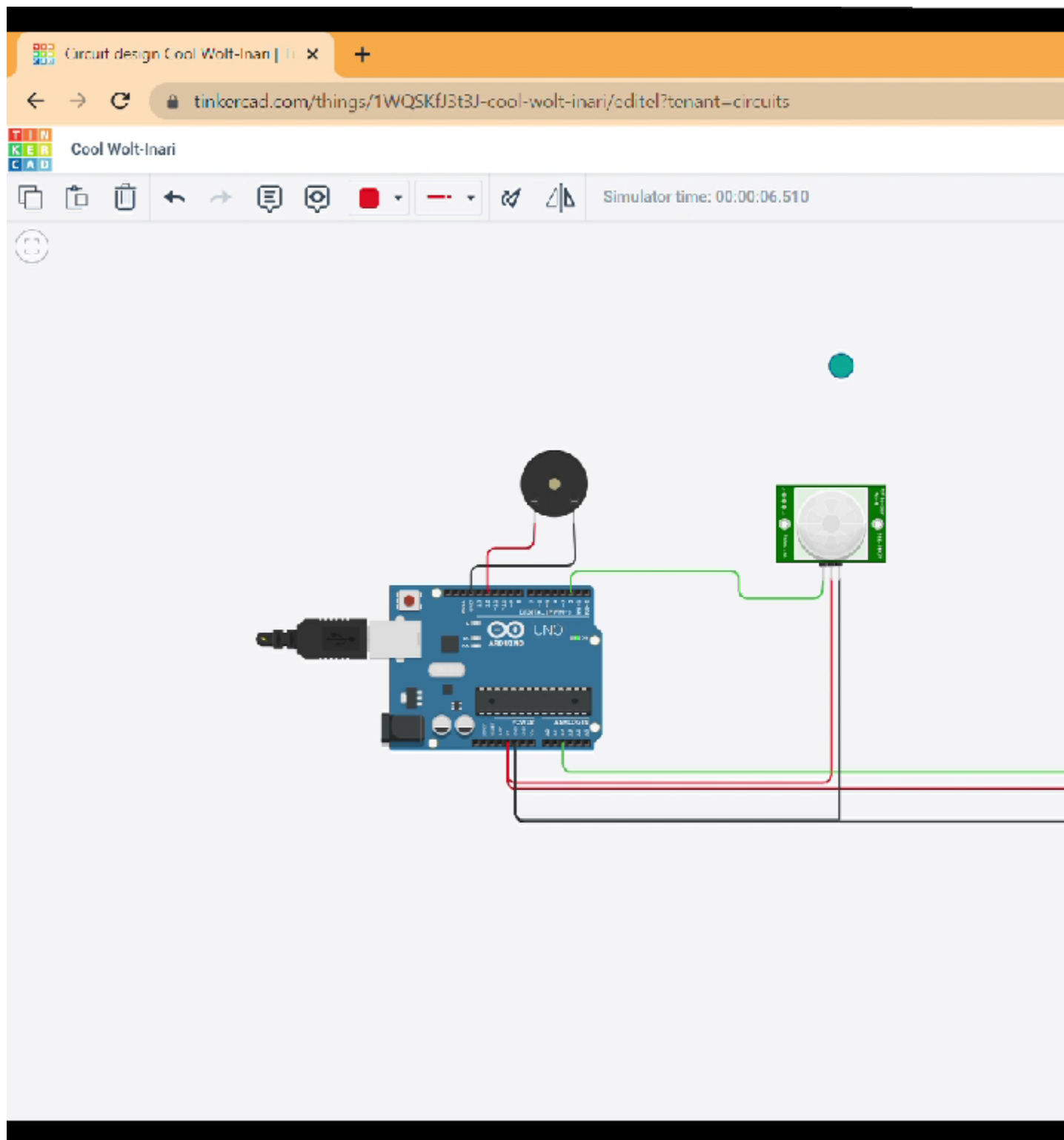
```

}
double data = analogRead(A2);
double n = data / 1024;
double
volt = n * 5;
double of
f = volt - 0.5;
double
temperature = of * 100;
Serial.println(temperature);
if (temperature > 60.00)
{
    tone(12, 1000);
    delay(500);
    noTone(12);
    delay(500);
}
}

```

OUTPUTS





SIMULATIONLINK:

**[https://drive.google.com/file/d/1JliKnvUKN1ItPB_O
SO6ub5e-bWUruXDY/view?usp=drivesdk](https://drive.google.com/file/d/1JliKnvUKN1ItPB_O
SO6ub5e-bWUruXDY/view?usp=drivesdk)**