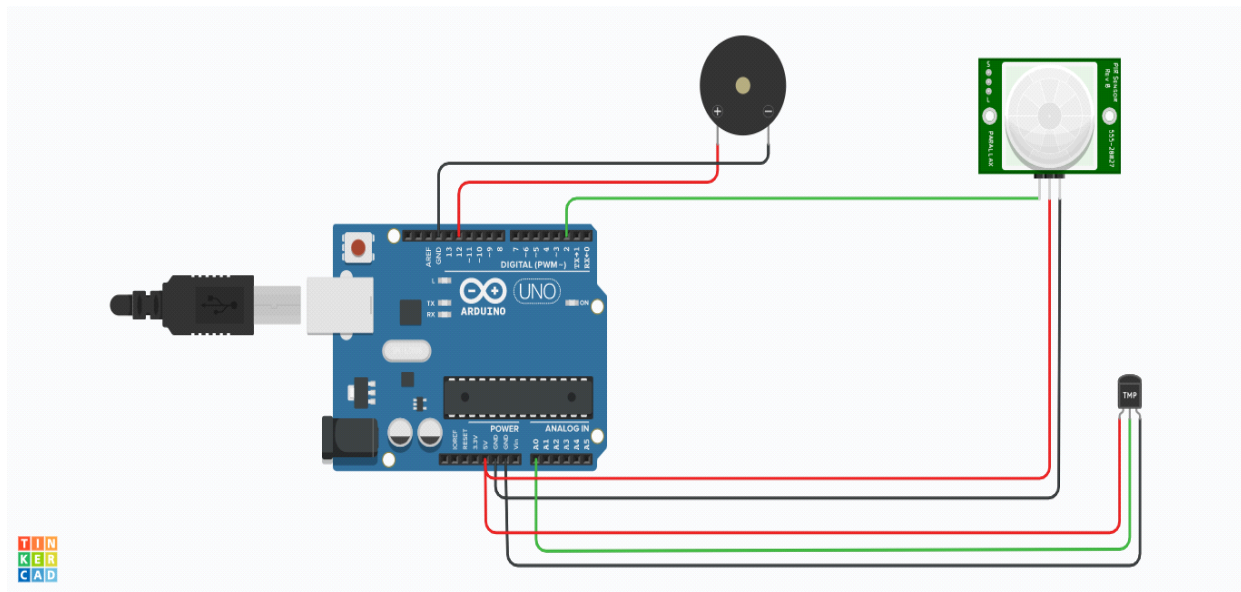
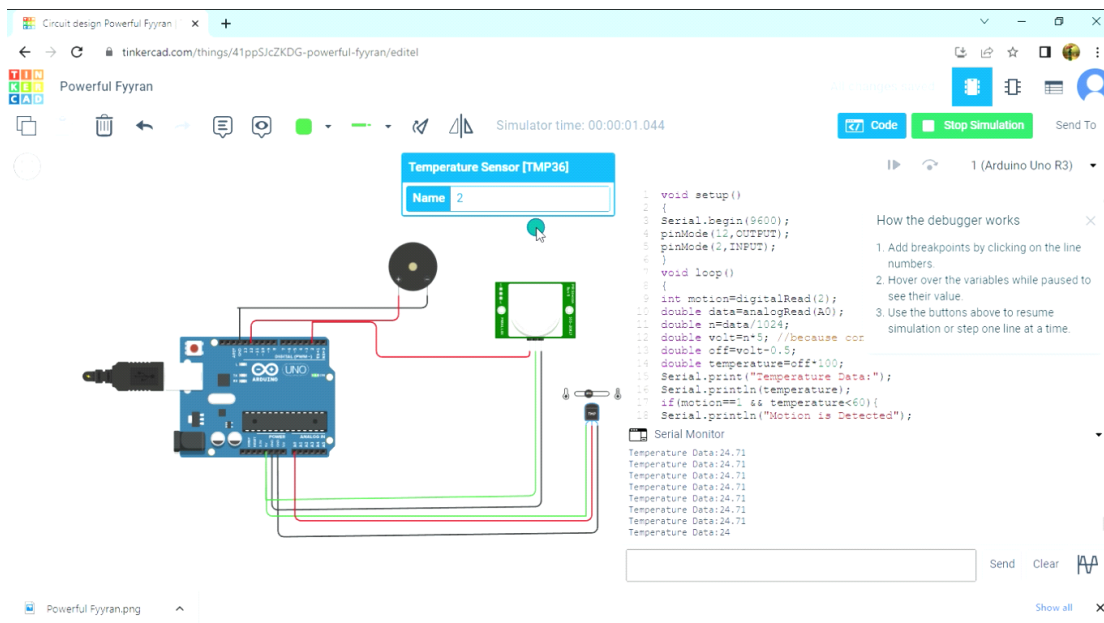


## CIRCUIT DIAGRAM



## OUTPUT



## PROGRAM

```
void setup()
```

```
{
```

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

```
pinMode(12,OUTPUT);

pinMode(2,INPUT);

}

void loop()

{

int motion=digitalRead(2);

double data=analogRead(A0);

double n=data/1024;

double volt=n*5; //because connected to 5v

double off=volt-0.5;

double temperature=off*100;

Serial.print("Temperature Data:");

Serial.println(temperature);

if(motion==1 && temperature<60){

Serial.println("Motion is Detected");

tone(12,1000);

}

else if(motion==0 && temperature>60){

    Serial.println("Temperature is more than 60°C");

tone(12,2000);

}

else if(motion==1 && temperature>60){

Serial.println("Motion is Detected");

Serial.println("Temperature is more than 60°C");

tone(12,5000);
```

```
}  
else if(motion==0 && temperature<60)  
noTone(12);  
}
```