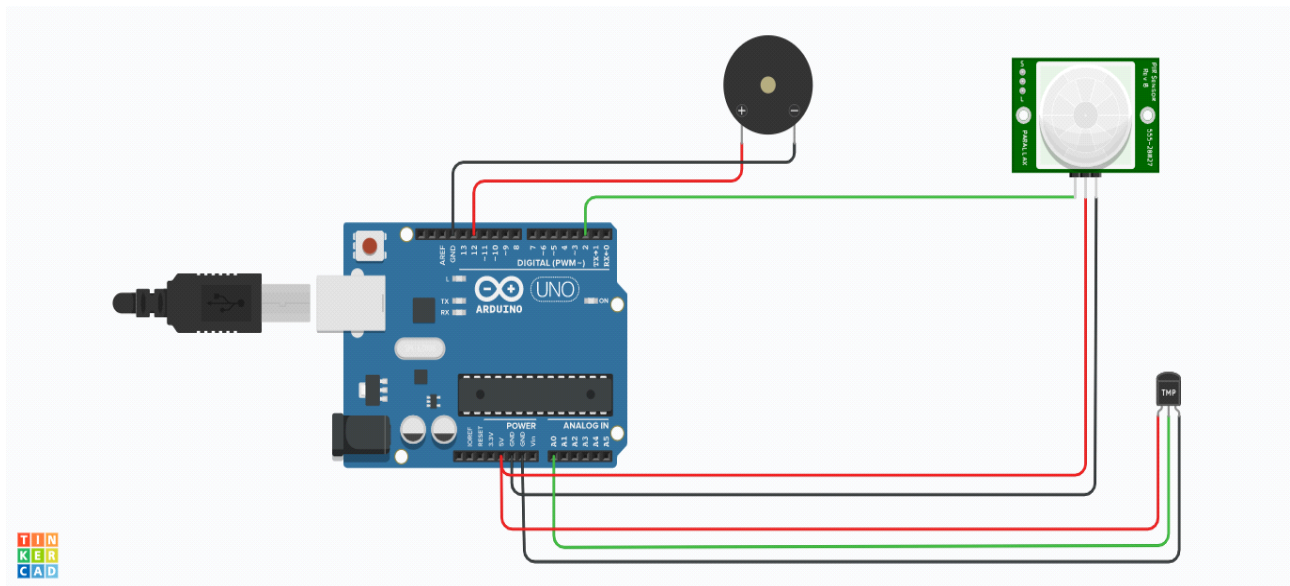
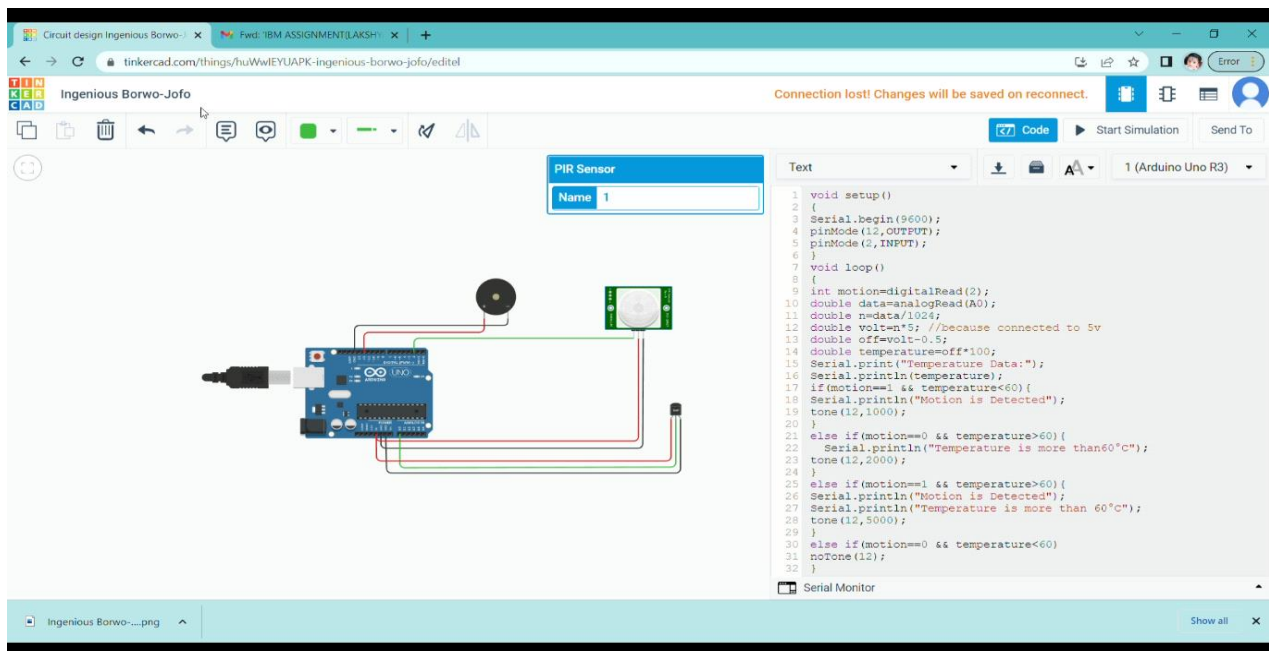


CIRCUIT DIAGRAM



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 than60°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);
```

```
}
```