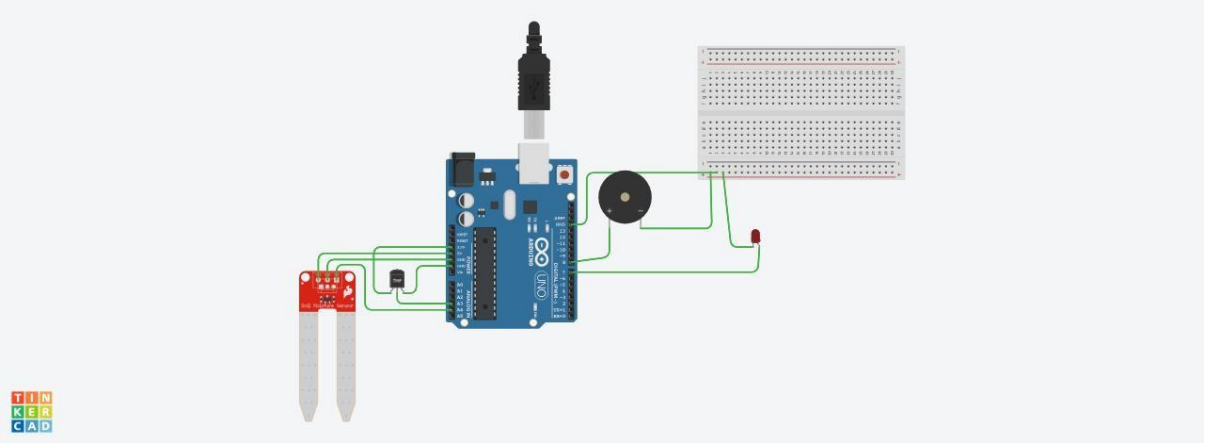
TEAM ID: PNT2022TMID54385

ASSIGNMENT 1

Tinkercadd link : https://www.tinkercad.com/things/4Wz7VLbkgqX

Image:



CODE:

```
// C++ code
//
int x = 0;


void setup()
{Serial.begin(9600);
  pinMode(A4, INPUT);
  pinMode(A3, INPUT);
  pinMode(7, OUTPUT);
  pinMode(8, OUTPUT);
}


void loop()
{
  if (analogRead(A3) > 222 || analogRead(A4) >222) {
    Serial.println(analogRead(A3));
    digitalWrite(7,HIGH);
    digitalWrite(8,HIGH);
```

```
 } else {
   Serial.println(analogRead(A3));
   digitalWrite(7,LOW);
   digitalWrite(8,LOW);
 }


 delay(1000);
 // Delay a little bit to improve simulation performance
}
```

Description:

The circuit has a temperature sensor along with a soil moisture sensor. The threshold of sensors are set to 222. On either of the sensors reaching the threshold the buzzer and led goes high .It is frequently checked with a delay of 1000 .