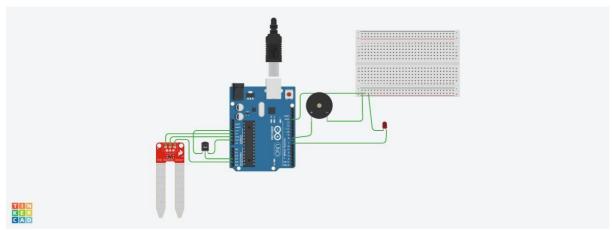
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ASSIGNMENT 1

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 \mid \mid analogRead(A4) > 222) {
  Serial.println(analogRead(A3));
  digitalWrite(7,HIGH);
  digitalWrite(8,HIGH);
```

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```
} 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 .