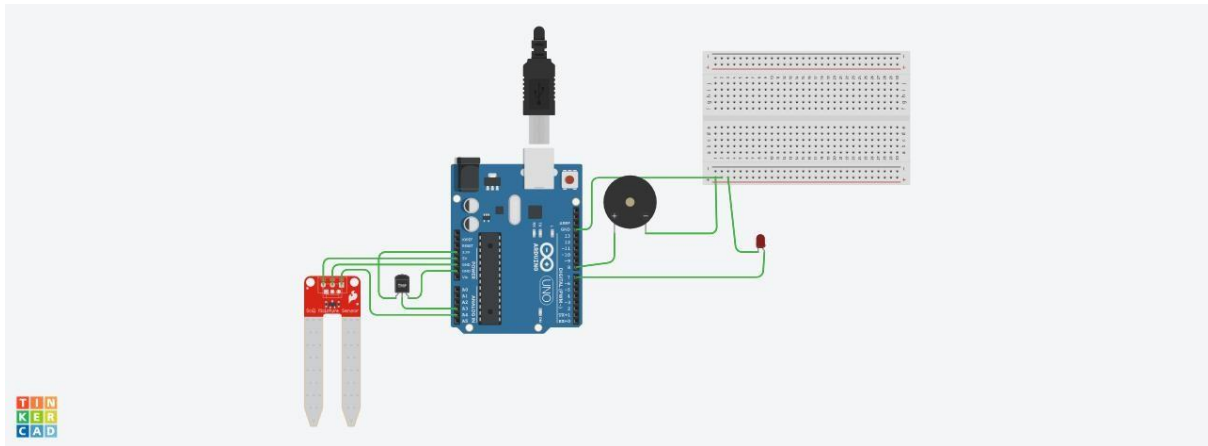


ASSIGNMENT 1

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 .