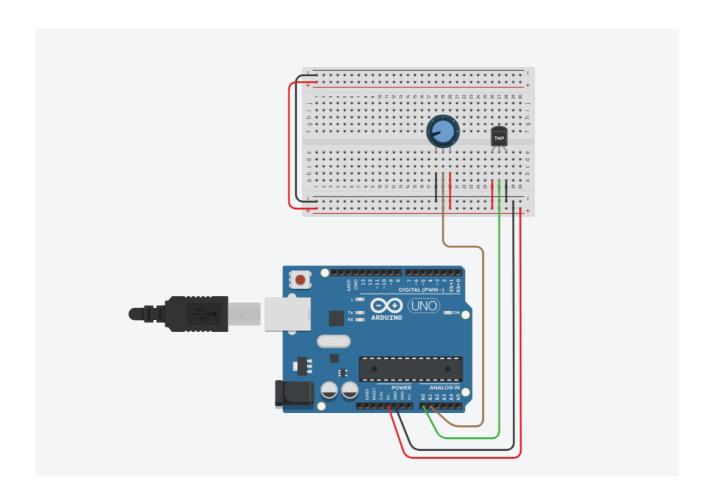
TEMPERATURE AND HUMIDITY SENSOR FOR CROP PROTECTION



Code:

```
int humiditysensorOutput = 0;
// Defining Variables
int RawValue= 0;
double Voltage = 0;
double tempC = 0;
double tempF = 0;
void setup(){
  Serial.begin(9600);
 pinMode (A1, INPUT);
void loop() {
  RawValue = analogRead(analogIn);
 Voltage = (RawValue / 1023.0) * 5000; // 5000 to get millivots.
  tempC = (Voltage-500) * 0.1; // 500 is the offset
  tempF = (tempC * 1.8) + 32; // convert to F
  Serial.print("Raw Value = " );
  Serial.print(RawValue);
  Serial.print("\t milli volts = ");
  Serial.print(Voltage, 0); //
  Serial.print("\t Temperature in C = ");
  Serial.print(tempC, 1);
  Serial.print("\t Temperature in F = ");
  Serial.println(tempF,1);
  humiditysensorOutput = analogRead(A1);
  Serial.print("Humidity: "); // Printing out Humidity Percentage
```

Output:

