

Experiment no.9

```
#include "DHT.h"

#define DHTPIN 2

#define DHTTYPE DHT11 #define switchPin 3 bool lastButton=LOW; bool
currentButton=LOW; bool tempORhum = LOW; //temp = LOW or Hum HIGH to be
displayed on the Serial Plotter DHT dht(DHTPIN, DHTTYPE); void setup() {
pinMode(switchPin, INPUT); Serial.begin(9600); dht.begin();
} void loop() { float h =
dht.readHumidity(); float t =
dht.readTemperature(); if
(isnan(t) || isnan(h)) { return;
} currentButton =
debounce(lastButton);

if (lastButton == LOW && currentButton == HIGH) {
    tempORhum != tempORhum;
} lastButton =
currentButton; if
(tempORhum == LOW) {
    Serial.println(t);
} else {
    Serial.println(h);
} delay(2000);
}

boolean debounce(boolean last) { boolean
current = digitalRead(switchPin);

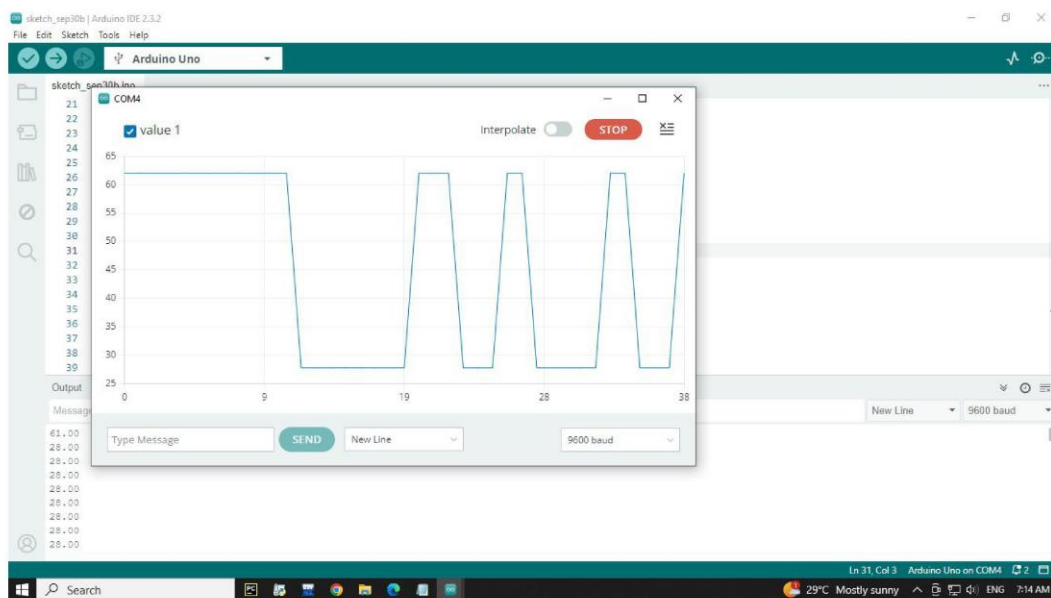
if (last != current) {
```

```
delay(2000);
```

```
current = digitalRead(switchPin);  
}
```

```
return current;
```

```
delay(2000);  
}
```



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