

logic for displaying temperature and humidity on OLED.

```
#include <Wire.h>
#include <Adafruit-GFX.h>
#include <Adafruit-SSD1306.h>
#include <dht.h>
```

```
#define dht_apin A0 // Analog pin Sensor is Connected to.
#define SCREEN_WIDTH 128
#define SCREEN_HEIGHT 32
```

```
Adafruit-SSD1306 display(SCREEN_WIDTH, SCREEN_HEIGHT, &Wire,
dht DHT; -1);
```

```
void setup ( )
```

```
{
  Serial.begin(115200);
```

```
  if (!display.begin(SSD1306_SWITCHCAPVCC, 0x3C))
```

```
  {
    Serial.println("SSD1306 allocation failed");
```

```
    for(;;);
```

```
  } // setup.
```

```
void loop() {
```

```
  DHT.read11(dht_apin);
```

```
  Serial.print("Temperature: ");
```

```
  Serial.println(DHT.temperature);
```

```
  display.clearDisplay();
```

```
  display.setTextSize(1);
```

```
  display.setTextColour(WHITE);
```

```
  display.setCursor(0,5);
```

```
  display.println(temperature);
```

```
  display.display();
```

```
  display.setCursor(1,5);
```

```
  display.print("Humidity");
```

```
  display.println(DHT.humidity);
```

```
  display.display();
```

```
}
```