



ARDUINO IDE



Indicate the interface parts of the Arduino IDE according to the image.



1	→		4	→	
2	→		5	→	
3	→		6	→	

Join the lines according to the function of the line.

`#include <Wire.h>` ○

`float tSHT31;` ○

`Serial.begin(115200);` ○

`if(!tag.connectWifi())` ○

`void setup() {` ○

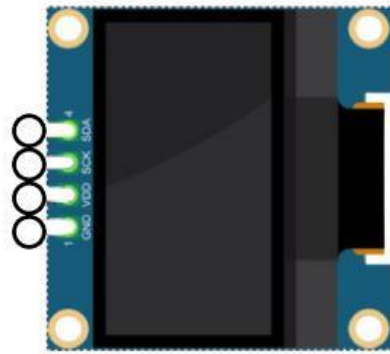
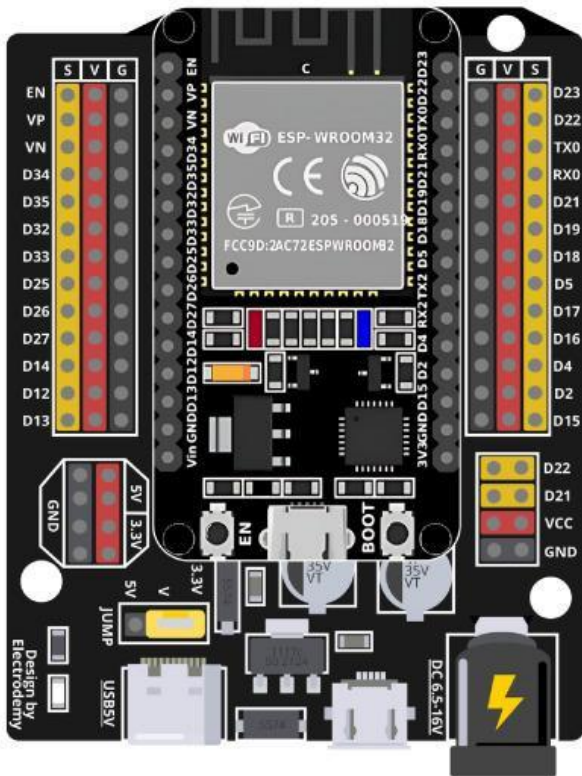
`Serial.println("Wifi connected");` ○

`Adafruit_SHT31 sht31 = Adafruit_SHT31();` ○

`display.begin(SSD1306_SWITCHCAPVCC, OLED_ADDR);` ○

- ☐ Start the actuator with the respect configurations.
- ☐ Indicate the name of the sensor according to library.
- ☐ In the Serial Monitor shows the respect message.
- ☐ Indicate the library to use the I2C module in the ESP32.
- ☐ The variable contain the decimal numbers.
- ☐ The condition that indicates the opposite result.
- ☐ Start the Serial Monitor en the respect baudios.
- ☐ The part of code that just run once.

Connect the sensor and actuator with the ESP32.



Drag the lines of the right place of the code.

```
void displayhSHT31()
{
  display.begin(SSD1306_SWITCHCAPVCC, OLED_ADDR);
  display. 
  display.setTextSize(1,2);
  display.setTextColor();
  display.setCursor(18,3);
  display.println("Relative humidity");
  display.setTextSize(3);
  display.setCursor(15,20);
  display.print();
  display.print("%");
  display.setTextSize(1);
  display.setCursor(13,44);
  display.println();
  display. 
  delay(2000);
}

void ()
{
  tag.sendData("tSHT31", String(tSHT31));
  tag.sendData("hSHT31", String(hSHT31));
  delay();
}

tago tag("", "M1s10n2025*", "e3fd1f20-3c71-4b70-acfe-e2354965b405");
```

hSHT31

"Moisture in the air"

"C Degree Celsius"

display();

BLUE

WHITE

sendtago

clearDisplay();

Aulas GBCMC

10000

displaysendtago