Display Data on OLED

We are going to use an OLED **1.3 inch** for this project. **So, make sure you get the correct size LED**.

Libraries to install.

- Adafruit GFX
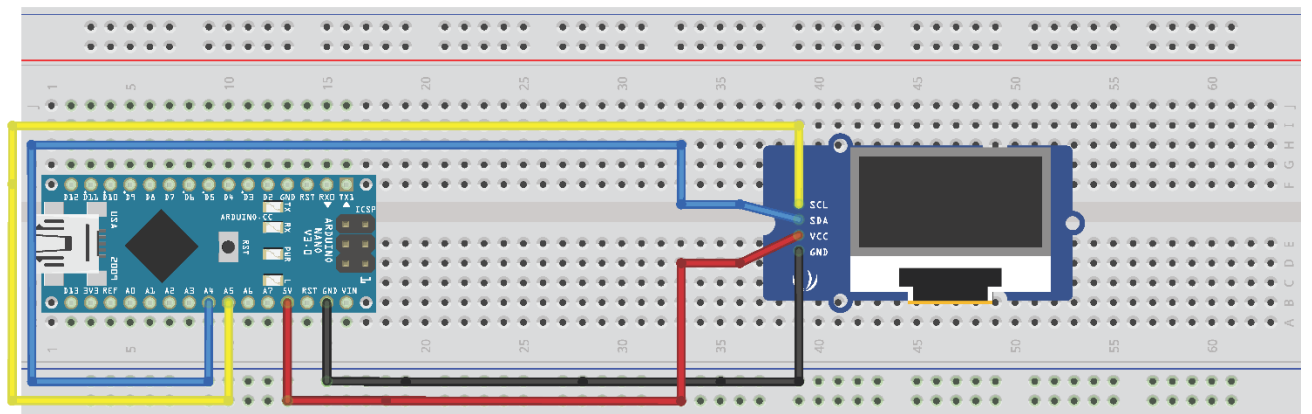- Adafruit SH1106 for **(1.3 inch)**

To Install Libraries

1. go to **Sketch** menu.
2. select **Include Libraries**.
3. go to **Manage Libraries**.
4. search for **Adafruit GFX** and install.
5. search for **Adafruit SH1106** for 1.3 inch and install.

Display Data on OLED

OLED works on I2C communication protocol, so we should make connection on 4 pins.

Connections for **OLED** to **Arduino**

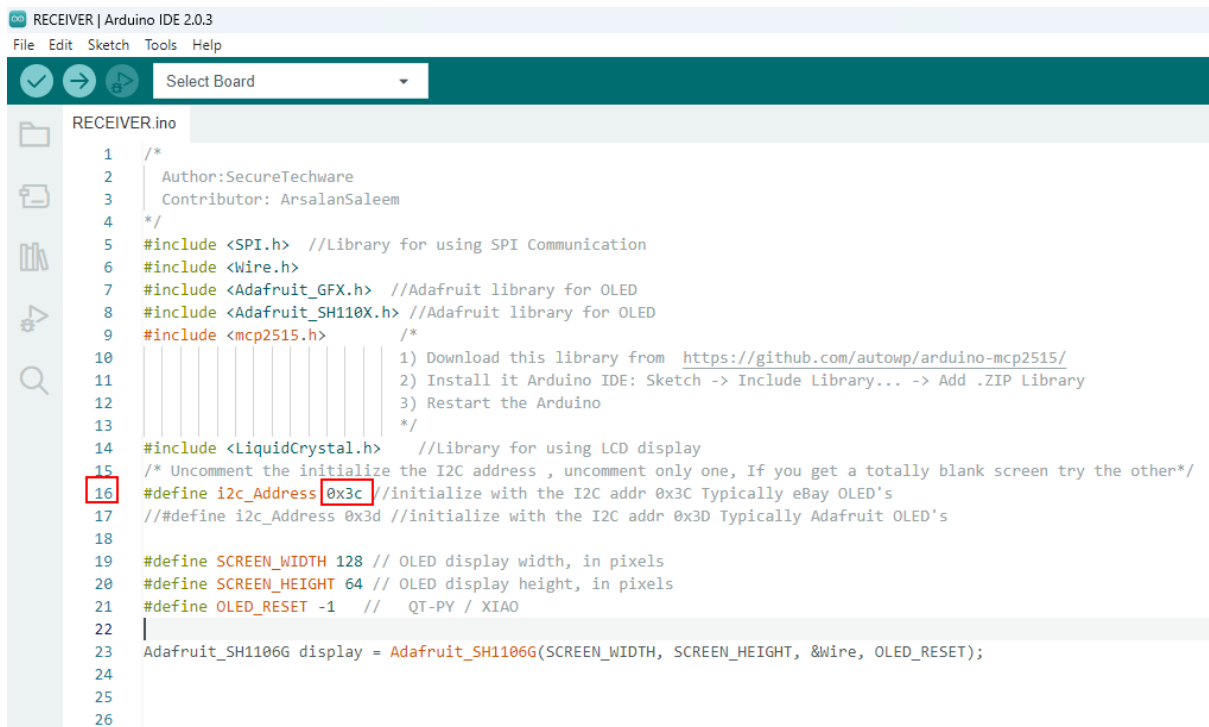| OLED	Arduino
VCC	*5V*
GND	*GND*
SDA	*A4*
SCK	*A5*

Find Hex Number of OLED

Every I2C device has a different hexadecimal address so first we must find the hexadecimal address of OLED.

You can use the code provided with this document to find the hexadecimal address of your OLED. (**I2CAddressFinder**.ino)

Then you can replace the address on **RECEIVER**.ino file line #**16**

To Create Images into Hex

https://diyusthad.com/image2cpp