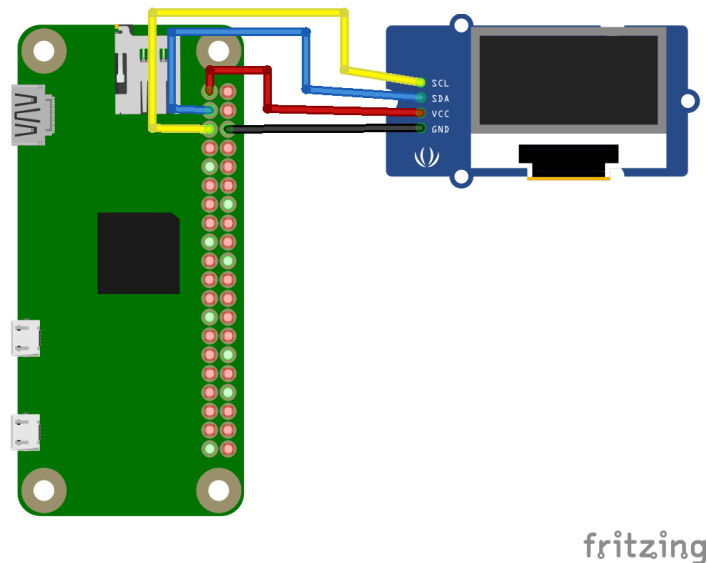


OLED display interfacing with raspberry using Python

Interfacing circuit diagram



Library installation:

To install the required libraries on your raspberry pi run the following commands on terminal of your raspberry pi.

```
sudo apt install -y python3-dev
sudo apt install -y python-smbus i2c-tools
sudo apt install -y python3-pil
sudo apt install -y python3-pip
sudo apt install -y python3-setuptools
sudo apt install -y python3-rpi.gpio
sudo apt install -y git
```

After installation you can download the OLED library on you PI using the following command.

Note : before running the following commands make sure that you are in a directory where you want to keep your OLED library and example files.

```
git clone https://github.com/adafruit/Adafruit_Python_SSD1306.git
cd Adafruit_Python_SSD1306
sudo python3 setup.py install
```

After installation of OLED library you can run example programs on you PI using the following command

```
cd examples
python3 shapes.py
```