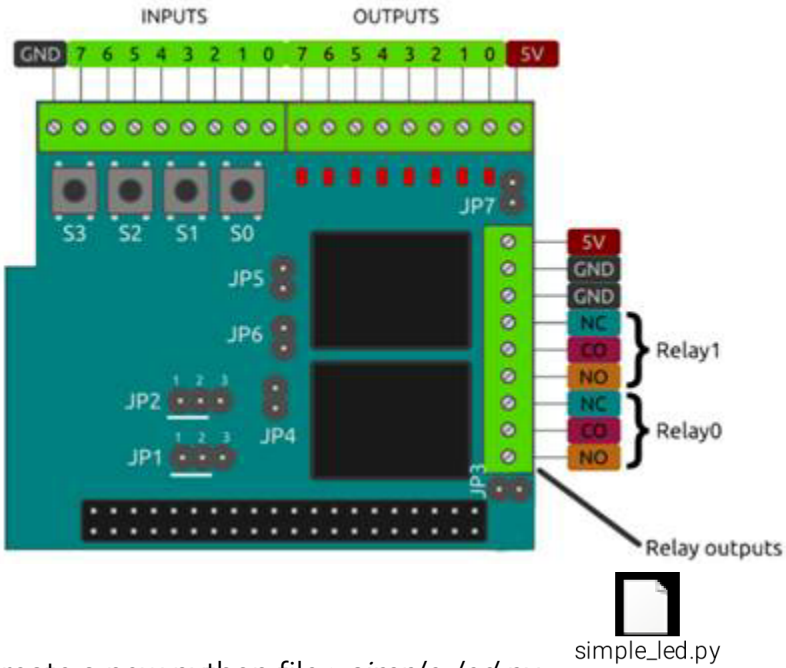
Draw Marquee-LED Banner about DIDO module

Use the output condition to indicate LED, and demonstrate Marquee.

Switch different display mode via button S0 and S1.

Parallel Relay 0 and Relay 1, cut off JP5 and JP6 before demonstration in order to avoid making noise.



simple_led.py

Create a new python file : *simple_led.py*

vim simple_led.py

add the following lines:

```
#!/usr/bin/python3

from time import sleep
import pifacedigitalio


DELAY = 0.2     # seconds

def led_fun1():
    for i in (0,1,2,3,4,5,6,7):
        pifacedigital.output_port.value = 0x01<<i
        sleep(DELAY)

def led_fun2():
    pifacedigital.output_port.value = 0
    for i in (0,1,2,3,4,5,6,7):
        pifacedigital.output_port.value += 0x01<<i
        sleep(DELAY)
```

```
    for i in (7,6,5,4,3,2,1,0):
        pifacedigital.output_port.value -= 0x01<<i
        sleep(DELAY)
def led_off():
    pifacedigital.output_port.value=0

def key_sacn():
    return pifacedigital.input_port.value

if __name__ == "__main__":
    pifacedigital = pifacedigitalio.PiFaceDigital()

    while True:
        key = key_sacn()

        if(key==1):
            led_fun1()
        elif(key==2):
            led_fun2()
        else:
            led_off()
```

chmod a+x simple_led.py Add Executable permission
./simple_led.py Run the sample procedure
Press S0 and S1 to S0，S1 to observe.