

Once the environment is configured, you can test the routines.

There are a few simple routines available in the **jetson-gpio** folder.

You can input the following command to enter program directory.

```
cd /opt/nvidia/jetson-gpio/samples/
```

simple_out.py

The function of this program is to read the value of PIN12 and print it to the terminal for display.

The program will output high and low levels (alternating every 2 seconds) to the physical pin PIN12 (BCM pin 18).

Input following command to run program.

```
sudo python3 simple_out.py
```

After running the program, we can see the print information of the terminal. Ans you can measure level of PIN12.

```
jetson@jetson-desktop:/opt/nvidia/jetson-gpio/samples$ sudo python3 simple_out.py
Starting demo now! Press CTRL+C to exit
Outputting 1 to pin 18
Outputting 0 to pin 18
Outputting 1 to pin 18
Outputting 0 to pin 18
Outputting 1 to pin 18
Outputting 0 to pin 18
Outputting 1 to pin 18
Outputting 0 to pin 18
Outputting 1 to pin 18
Outputting 0 to pin 18
Outputting 1 to pin 18
```