

Lab 06

Verifying the RPi.GPIO Library

Problem

To access Raspberry Pi GPIO, we can use several GPIO libraries.

Solution

If you are working with Python, Raspbian will have already installed the RPi.GPIO library to access Raspberry Pi GPIO.

Discussion

- Import the RPi.GPIO module.
- If you don't find this library on Python runtime or get the error message **ImportError: No module named RPi.GPIO**, you can install it by compiling from the source code. For instance, we want to install RPi.GPIO 0.5.11, so type the following commands:

```
pi@raspberrypi ~ $ wget  
https://pypi.python.org/packages/source/R/RPi.GPIO/RPi.GPIO  
0.5.11.tar.gz
```

```
pi@raspberrypi ~ $ tar -xvzf RPi.GPIO-0.5.11.tar.gz
```

```
pi@raspberrypi ~ $ cd RPi.GPIO-0.5.11/
```

```
pi@raspberrypi ~ $ sudo python setup.py install
```