

Lab - 03

Python Hello World Program

Problem

Run your first python program Hello World!

Solution

Things you will need:

- Raspberry Pi + SD Card
- Keyboard + Mouse
- Monitor + HDMI Cable
- Power Supply

Discussion

1. Start by opening a Terminal, by click the icon in the taskbar.
2. Start by creating a new directory, this is where we are going to store all our scripts for this series of worksshop, make a directory called iotworkshop:
`mkdir iotworkshop`
3. We can use the command `ls -l` to view the contents of the current directory:
`ls l`
4. You should be able to see the directory you created.
5. Now we need to change our current directory to the newly created iotworkshop directory:
`cd iotworkshop`
6. We can use the command nano, to open it in a text editor. `sudo nano helloworld.py`
7. Now enter the following code:
`#!/usr/bin/python`
`print "Hello World!"`
8. Press ctrl+X to exit, you will be prompted to save the file, simply press Y, and then be you will be prompted to give the file a name.
9. It will automatically use its current name helloworld.py, so just hit enter to accept.
- 10.To execute your script, simply enter the following command:
`sudo python helloworld.py`

Code:

```
//helloworld.py  
print("Hello World")
```