

Ex - 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`