

Cambridge Raspberry Jam	
Name	
Age	
Parent	

Beginners worksheet #1

Project	Printing to the screen

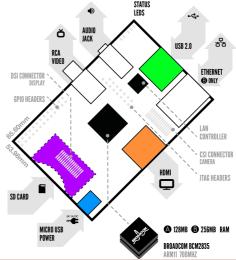
Description Run your first python program "hello world"

Tools required

- ☐ Raspberry Pi + SD card ☐ Monitor + HDMI Cable
- ☐ Keyboard & Mouse ☐ Power supply

Setting up your pi

- 1. Find your Raspberry Pi.
- 2. Plug in the SD card.
- 3. Plug in the HDMI cable into the Pi and the monitor.
- 4. Plug in the keyboard into the USB ports
- 5. Plug in the mouse into the USB ports
- 6. Plug in the power cable



7. When all wired up it should look like this.



- 8. Type in users name "pi"
- 9. Type in password "raspberry"
- 10. Type "startx" this will load the graphical user interface



```
Using makefile-style concurrent boot in runlevel 2.
Network Interface Plugging Daemon...skip eth0...dome.
Starting NFS common utilities: statd.
Starting enhanced syslogd: rsyslogd.
Starting system message bus: dbus.
Starting periodic command scheduler: cron.
Starting NTP server: ntpd.
Starting portmap daemon...Already running..
Starting portmap daemon...Already running..
Starting internet superserver: xinetd.
My network IP address is 10.0.2.15
Debian GNU/Linux 6.0 raspberrypi tty1
raspberrypi login: pi
Password:
```



- 11. Graphical user interface has loaded
- 12. Double click on "LXTerminal"
- 13. This will load the "terminal"
- 14. Type the follow commands
- 15. "cd Desktop"
- 16. "mkdir gpio_python_code"
- 17. "cd gpio_python_code"
- 18. "touch 1_helloworld.py"
- 19. "sudo nano 1_helloworld.py"
- 20. Now enter the code below

Code

TURN OFF THE LEDS "1 helloworld.py"

#!/usr/bin/python
#Print Hello world
print "Hello World!"

- 21. Once complete "Ctrl + x" then "y" then "enter"
- 22. To run the python code "sudo python 1_helloworld.py
- 23. You will see it print "Hello World!" to the screen