Cambridge Raspberry Jam

Name
Age
Parent

Beginners worksheet #1

Project	Printing to the screen
Description	Run your first python program “hello world”

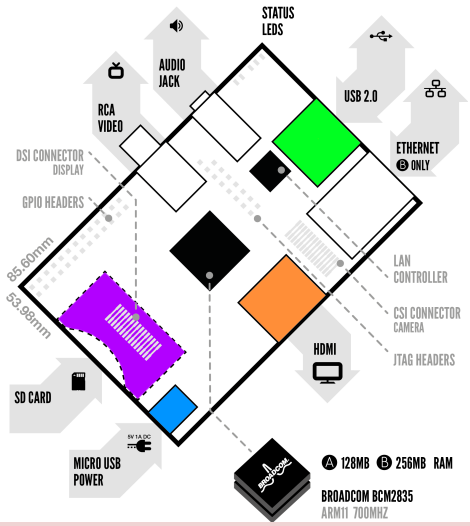
Tools required

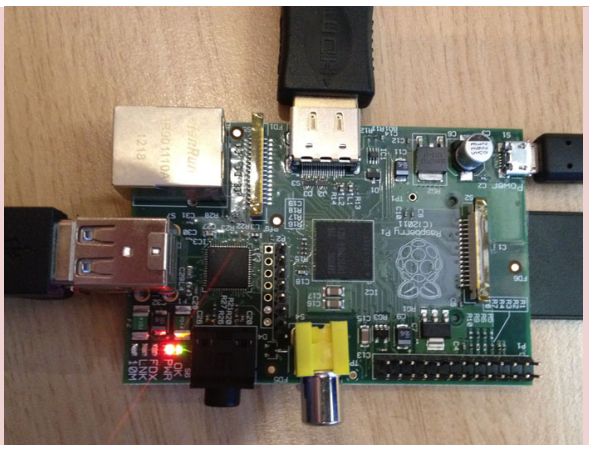
☐ Raspberry Pi + SD card ☐ Monitor + HDMI Cable

☐ Keyboard & Mouse ☐ Power supply

Setting up your pi

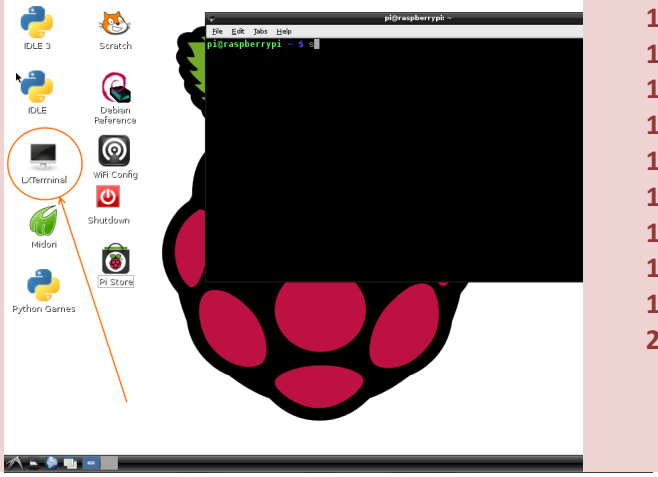
1. **Find your Raspberry Pi.**
2. **Plug in the SD card.**
3. **Plug in the HDMI cable into the Pi and the monitor.**
4. **Plug in the keyboard into the USB ports**
5. **Plug in the mouse into the USB ports**
6. **Plug in the power cable**





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**



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