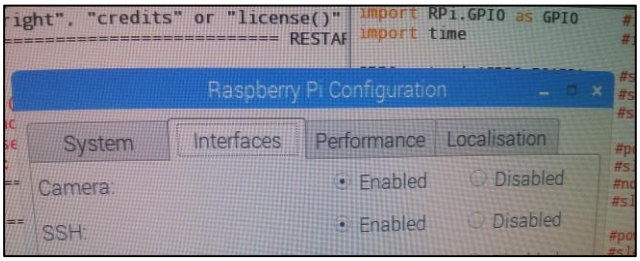
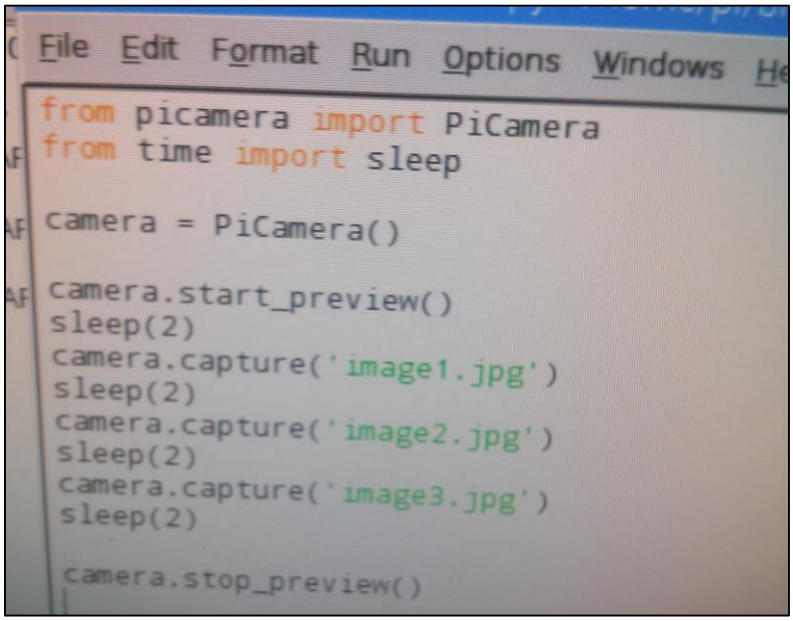
1) Attach the RPi Camera to the RPi. Make sure that blue side is facing the USB ports, while the non-blue side is facing the HDMI port:

2) Make sure that your camera is Enabled by clicking on
**Applications Menu… Preferences… Raspberry Pi Configuration… Interfaces… Camera Enabled**
If the camera was not enabled, then you may need to reboot after enabling.




3) Type the following code in to the Python 2 (IDLE) (note that anything after the hashtag # is a comment):



4) Can you write a program that takes a picture every second, for ten seconds?
Be sure to store each one with a slightly different filename.

5) How cool is the following code?

```
from picamera import PiCamera
from time import sleep

camera = PiCamera()

camera.start_preview()
sleep(2)

for i in range (1, 11):
    filename = "image" + str(i) + ".jpg"
    camera.capture(filename)
    print filename, "has been taken."

camera.stop_preview()
```

---

**VIDEO**

1. Type the following into Python and run the program:

```
from picamera import PiCamera
from time import sleep

camera = PiCamera()

camera.start_preview()
camera.start_recording('video.h264')
sleep(3)
camera.stop_recording()
camera.stop_preview()
```

2. To play the video you will need to go to the command prompt and type (you may need to change the folder name, depending on where you stored your video: