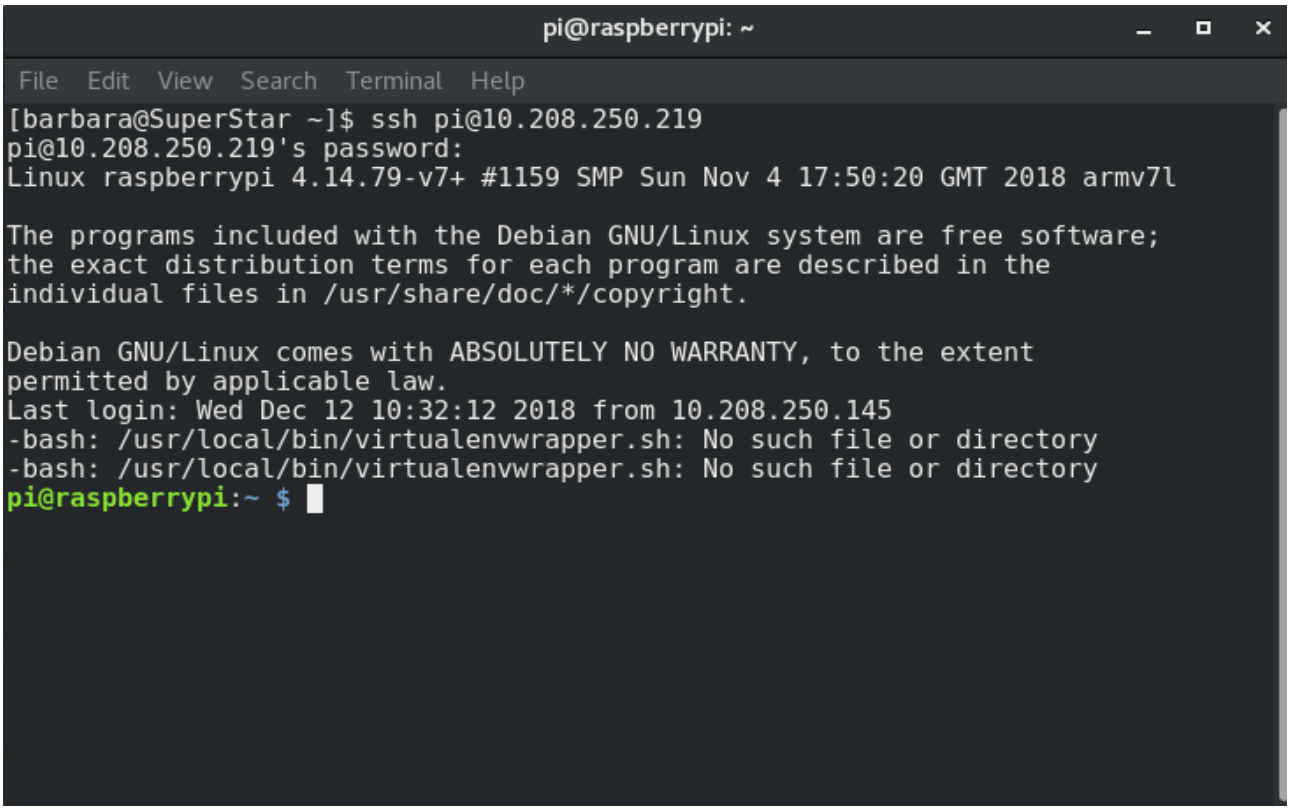
Access to Raspberry Pi plus other useful information

To access the Raspberry Pi you need to use the **'ssh'** command in command line.
In command line type: ssh pi@10.208.250.219 and the computer will prompt you for password. The password is: **skyscanner** . This is the result:



Supervisor activates when you plug in the raspberry. But if you want to control it here are your options:

```
pi@raspberrypi:~ $ service supervisor
Usage: /etc/init.d/supervisord {start|stop|restart|force-reload|status}
pi@raspberrypi:~ $
```

Commands like stop,start,restart, reload will prompt for password again. Also it will ask you to choose identity, always choose option number 1. This is what you need to do:

```
pi@raspberrypi:~ $
pi@raspberrypi:~ $ service supervisor start
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ===
Authentication is required to start 'supervisor.service'.
Multiple identities can be used for authentication:
 1.  ,,, (pi)
 2.  root
Choose identity to authenticate as (1-2): 1
Password:
==== AUTHENTICATION COMPLETE ===
pi@raspberrypi:~ $
```

You can check the status of the running scripts like this:

```
● supervisor.service - Supervisor process control system for UNIX
   Loaded: loaded (/lib/systemd/system/supervisor.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2018-12-21 09:17:01 CET; 25s ago
     Docs: http://supervisord.org
  Process: 30769 ExecStop=/usr/bin/supervisorctl $OPTIONS shutdown (code=exited, status=0/SUCCESS)
 Main PID: 31040 (supervisord)
   CGroup: /system.slice/supervisor.service
           ├─31040 /usr/bin/python /usr/bin/supervisord -n -c /etc/supervisor/supervisord.conf
           ├─31057 python3 SendStorage.py
           └─31058 python3 split.py

Dec 21 09:17:01 raspberrypi systemd[1]: Started Supervisor process control system for UNIX.
Dec 21 09:17:02 raspberrypi supervisord[31040]: 2018-12-21 09:17:02,675 CRIT Supervisor running as root (no user in config file)
Dec 21 09:17:02 raspberrypi supervisord[31040]: 2018-12-21 09:17:02,675 WARN No file matches via include "/etc/supervisor/conf.d/*.conf"
Dec 21 09:17:02 raspberrypi supervisord[31040]: 2018-12-21 09:17:02,720 INFO RPC interface 'supervisor' initialized
Dec 21 09:17:02 raspberrypi supervisord[31040]: 2018-12-21 09:17:02,721 CRIT Server 'unix_http_server' running without any HTTP authentication checki
Dec 21 09:17:02 raspberrypi supervisord[31040]: 2018-12-21 09:17:02,721 INFO supervisord started with pid 31040
Dec 21 09:17:03 raspberrypi supervisord[31040]: 2018-12-21 09:17:03,729 INFO spawned: 'SendStorage' with pid 31057
Dec 21 09:17:03 raspberrypi supervisord[31040]: 2018-12-21 09:17:03,738 INFO spawned: 'split' with pid 31058
Dec 21 09:17:14 raspberrypi supervisord[31040]: 2018-12-21 09:17:14,031 INFO success: SendStorage entered RUNNING state, process has stayed up for >
Dec 21 09:17:14 raspberrypi supervisord[31040]: 2018-12-21 09:17:14,032 INFO success: split entered RUNNING state, process has stayed up for > than 1
~
~
~
~
~
~
lines 1-21/21 (END)
```

And if for some reason other then the obvious (no internet, camera unplugged, etc.) it stops and you want to check it you can go to the log and check it like this:

```
pi@raspberrypi:~ $ cd /var/log/supervisor/
pi@raspberrypi:/var/log/supervisor $ ls -l
total 216
-rw------- 1 root root      0 Dec 21 09:17 SendStorage-stderr---supervisor-o_4mwm.log
-rw------- 1 root root      0 Dec 21 09:17 SendStorage-stdout---supervisor-AUx7kk.log
-rw------- 1 root root      0 Dec 21 09:17 split-stderr---supervisor-D_mVlp.log
-rw------- 1 root root   2538 Dec 21 09:18 split-stdout---supervisor-Tm7yCT.log
-rw-r--r-- 1 root root 211457 Dec 21 09:17 supervisord.log
pi@raspberrypi:/var/log/supervisor $
```

Type in: **sudo vim name_of_log_you_want.log** to access the logs. Like this:

```
pi@raspberrypi:~ $ cd /var/log/supervisor/
pi@raspberrypi:/var/log/supervisor $ ls -l
total 216
-rw------- 1 root root      0 Dec 21 09:17 SendStorage-stderr---supervisor-o_4mwm.log
-rw------- 1 root root      0 Dec 21 09:17 SendStorage-stdout---supervisor-AUx7kk.log
-rw------- 1 root root      0 Dec 21 09:17 split-stderr---supervisor-D_mVlp.log
-rw------- 1 root root   2538 Dec 21 09:18 split-stdout---supervisor-Tm7yCT.log
-rw-r--r-- 1 root root 211457 Dec 21 09:17 supervisord.log
pi@raspberrypi:/var/log/supervisor $ sudo vim split-stderr---supervisor-D_mVlp.log
```

If you use **vim** you might need this cheat sheet: https://vim.rtorr.com/ .

Also Sky-Imager-Aggregator folder on the Raspberry Pi is a git folder so you can use it as such.

```
pi@raspberrypi:~ $ cd Sky-Imager-Aggregator/
pi@raspberrypi:~/Sky-Imager-Aggregator $ ls
config  doc  LICENSE  README.md  src  STORAGE
pi@raspberrypi:~/Sky-Imager-Aggregator $
```