Steps to Run Scripts

	Preexisting text within a file
	Text that needs to be typed in the terminal

Step 0
Make sure a file called *cubesatstart.service* is inside the comm2 folder
```
ls *cubesatstart*
```
Should result in *cubesatstart.service*, if you get a "no such file in directory" error, copy the file onto the comm2 folder

Step 1
The file *cubesatstart.service* contains the following text.

```
[Unit]
Description=cubesat initialization
[Service]
Type=oneshot
ExecStart=/bin/bash /home/pi/comm2/cubesat-setup.sh start
WorkingDirectory=/home/pi/comm2/
StandardOutput=inherit
StandardError=inherit
[Install]
WantedBy=multi-user.target
```

Step 2
To enable the boot up process, type the following commands in the terminal (don't type line numbers):

1	cd /home/pi/comm2
2	sudo cp cubesatstart.service /etc/systemd/system/cubesatstart.service
3	sudo systemctl start cubesatstart.service
4	sudo systemctl enable cubesatstart.service

If there is an error after you type line 3, type the line shown below. It will prompt you for your pi password, then type line 4 as shown above.
```
systemctl daemon-reload
```

You can view the error status by typing:
```
systemctl status cubesatstart.service
```

Step 3
Make sure a file called *cubesat-setup.sh* is inside the comm2 folder by typing:
```
ls *setup*
```
Should result in *cubesat-setup.sh*, if you get a "no such file in directory" error, copy the file onto the comm2 folder

Step 4
The cubesat-setup.sh file contains the following text:
```
#!/bin/bash
echo "Starting test at " $(date +%M_%S)
sleep 30
python3 /home/pi/comm2/RF_initialize_vibetest.py &
```

```
echo "RF initialized at " $(date +%M_%S)
sleep 30
python3 /home/pi/comm2/COM_2_MAIN.py
echo "CAN initialized at " $(date +%M_%S)
exit 0
```

Step 5

Run a bash file by typing:

```
bash cubesat-setup.sh
```

Step 6

Run a python file by typing:

```
python3 COM_2_MAIN.py
```

Step 7

To comment out chunks of code in the startup script *cubesat-setup.sh*, add the lines below highlighted in yellow. In this example, it makes the start-up script do nothing on boot.

```
#!/bin/bash
: <<'END'
echo "Starting test at " $(date +%M_%S)
sleep 30
python3 /home/pi/comm2/RF_initialize_vibetest.py &
echo "RF initialized at " $(date +%M_%S)
sleep 30
python3 /home/pi/comm2/COM_2_MAIN.py
echo "CAN initialized at " $(date +%M_%S)
END
exit 0
```