```python
from rplidar import RPLidar
import pyvista as pv
import pymeshlab
import numpy as np
import math

lidar = RPLidar('COM7')

info = lidar.get_info()
print(info)

lidar.clean_input()

all_measurements = []
for i, scan in enumerate(lidar.iter_scans(max_buf_meas=4500)):
    lidar.clean_input()
    all_measurements += scan
    print("scan", scan)
    print('%d: Got %d measurments' % (i, len(scan)))
    if i > 10:
        break


lidar.stop()
```

PROBLEMS 3 DEBUG CONSOLE OUTPUT TERMINAL

TERMINAL powershell

```
PS C:\Users\grace\OneDrive\Documents\CMU\tailorbot> python test.py
{'model': 24, 'firmware': (1, 29), 'hardware': 7, 'serialnumber': 'FBE6EDF9C7E29BCEA7E39EF26B354304'}
scan [(15, 313.09375, 236.0), (15, 316.140625, 189.25), (15, 317.40625, 186.75), (15, 318.65625, 185.75), (15, 336.453
125, 487.0), (15, 337.484375, 489.5), (15, 343.890625, 469.75), (15, 346.59375, 472.75), (15, 349.078125, 479.75), (15
, 350.15625, 486.0)]
0: Got 10 measurments
Too many bytes in the input buffer: 4570/4500. Cleaning buffer...
scan [(15, 36.015625, 1113.5), (15, 316.015625, 189.75), (15, 317.265625, 186.75), (15, 336.046875, 485.0), (15, 337.4
84375, 488.25), (15, 343.796875, 468.75), (15, 346.0, 475.25), (15, 349.734375, 483.5), (15, 351.15625, 492.25)]
1: Got 9 measurments
Too many bytes in the input buffer: 4530/4500. Cleaning buffer...
scan [(15, 302.6875, 476.75), (15, 303.796875, 470.5), (15, 305.03125, 465.5), (15, 313.546875, 236.25), (15, 316.0156
25, 189.75), (15, 317.265625, 186.75), (15, 336.3125, 485.0), (15, 337.28125, 488.25), (15, 339.734375, 496.5), (15, 3
43.625, 468.75), (15, 346.265625, 475.0), (15, 349.875, 483.25), (15, 351.09375, 491.75)]
2: Got 13 measurments
Too many bytes in the input buffer: 4545/4500. Cleaning buffer...
scan [(15, 36.671875, 1119.0), (15, 304.484375, 468.75), (15, 305.671875, 464.25), (15, 312.390625, 239.25), (15, 314.
3125, 235.75), (15, 316.40625, 188.0), (15, 317.78125, 186.25), (15, 319.03125, 185.75), (14, 344.28125, 472.0), (15,
347.0625, 473.25), (15, 350.59375, 486.0)]
```