1) screenshot of the Raspberry Pi terminal that displays the loopback sensor data.

```
Received a new message:
{"pressure": 989.0, "temp": 33.0, "moisture": 36.0, "sequence": 317}
from topic:
RpiSenseHat
Received a new message:
{"pressure": 989.0, "temp": 33.0, "moisture": 36.0, "sequence": 318}
from topic:
RpiSenseHat
Received a new message:
{"pressure": 989.0, "temp": 33.0, "moisture": 37.0, "sequence": 319}
from topic:
RpiSenseHat
Received a new message:
{"pressure": 989.0, "temp": 33.0, "moisture": 36.0, "sequence": 320}
from topic:
RoiSenseHat
```

2) screenshot of the device shadow state in the AWS IoT Console:

Shadow state:

```
{
  "desired": {
     "moisture": 38
},
  "reported": {
     "moisture": 36,
     "temp": 33,
     "pressure": 989,
     "sequence": 423
}
}
```

3) Export sensor data into .csv file:

```
RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "56" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "37" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "57" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "58" }, "temp" : { "N" : "33" }}
   RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "59" }, "temp" : { "N" : "33" }}
62
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "60" }, "temp" : { "N" : "33" }}
63
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "61" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 {
64
    RpiSenseHat 1.6061E+12 {
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "62" }, "temp" : { "N" : "33" }}
65
    RpiSenseHat 1.6061E+12 {
                                 "moisture" : { "N" : "37" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "63" }, "temp" : { "N" : "33" }}
66
    RpiSenseHat 1.6061E+12 {
                                 "moisture": { "N": "36" }, "pressure": { "N": "989" }, "sequence": { "N": "64" }, "temp": { "N": "33" }}
67
    RpiSenseHat 1.6061E+12 {
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "65" }, "temp" : { "N" : "33" }}
68
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "66" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 {
69
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "67" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 {
                                "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "68" }, "temp" : { "N" : "33" }}
70
    RpiSenseHat 1.6061E+12 {
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "69" }, "temp" : { "N" : "33" }}
71
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "37" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "70" }, "temp" : { "N" : "33" }}
72
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "37" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "71" }, "temp" : { "N" : "33" }}
   RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "37" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "72" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "73" }, "temp" : { "N" : "33" }}
   RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "37" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "74" }, "temp" : { "N" : "33" }}
77 RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "75" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "37" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "76" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "77" }, "temp" : { "N" : "33" }}
ลก
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "78" }, "temp" : { "N" : "33" }}
81
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "79" }, "temp" : { "N" : "33" }}
                                 "moisture": { "N": "37" }, "pressure": { "N": "989" }, "sequence": { "N": "80" }, "temp": { "N": "33" }}
82
    RpiSenseHat 1.6061E+12 {
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "81" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 {
    RpiSenseHat 1.6061E+12 {
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "82" }, "temp" : { "N" : "33" }}
85
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "83" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 {
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "84" }, "temp" : { "N" : "33" }}
86
    RpiSenseHat 1.6061E+12 {
87
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "85" }, "temp" : { "N" : "33" }}
88
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "86" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "seguence" : { "N" : "87" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "88" }, "temp" : { "N" : "33" }}
91 RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "37" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "89" }, "temp" : { "N" : "33" }}
92 RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "90" }, "temp" : { "N" : "33" }}
93
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "91" }, "temp" : { "N" : "33" }}
94
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "92" }, "temp" : { "N" : "33" }}
95
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "93" }, "temp" : { "N" : "33" }}
96
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "94" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061F+12 {
97
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "95" }, "temp" : { "N" : "33" }}
98
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "96" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 {
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "97" }, "temp" : { "N" : "33" }}
100
    RpiSenseHat 1.6061E+12 {
                                 "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "98" }, "temp" : { "N" : "33" }}
    RpiSenseHat 1.6061E+12 { "moisture" : { "N" : "36" }, "pressure" : { "N" : "989" }, "sequence" : { "N" : "99" }, "temp" : { "N" : "33" }}
```