



The screenshot shows a terminal window on an Ubuntu desktop environment. The terminal window title is "mobilearm@mobilearm: ~". The window contains two distinct sections of command-line output.

**Section 1:**

```
Target Shelf: 50 cm
Obstacle: 75.05 cm | Traveled: 5.58 cm
Obstacle: 104.21 cm | Traveled: 11.41 cm
Obstacle: 107.59 cm | Traveled: 17.19 cm
Obstacle: 96.76 cm | Traveled: 22.96 cm
Obstacle: 175.13 cm | Traveled: 28.9 cm
Obstacle: 154.01 cm | Traveled: 34.83 cm
Obstacle: 128.26 cm | Traveled: 40.76 cm
Obstacle: 137.71 cm | Traveled: 46.58 cm
Obstacle: 124.98 cm | Traveled: 52.48 cm
Reached shelf at 50 cm
[WARN@0@20.083] global ./modules/videio/src/cap_gstreamer.cpp (1405) open OpenCV | GStreamer warning: Cannot query video position: status=0, value=-1, duration=-1
Looking for marker ID: 0 (Press 'q' to quit)
Detected: X=-0.02m, Y=-0.04m, Z=0.18m
Sent to Arduino: [0, 30, 0, 70, 60, 45]
Sent to Arduino: [0, 112, 45, 70, 90, 45]
Waiting ss at object location...
Sent to Arduino: [0, 112, 45, 70, 90, 1]
Sent to Arduino: [0, 30, 0, 70, 60, 1]
Plc-and-place done
mobilearm@mobilearm:~ $ python3 final_test1.py
^CTraceback (most recent call last):
  File "/home/Mobilearm/final_test1.py", line 11, in <module>
    time.sleep(2)
KeyboardInterrupt
```

**Section 2:**

```
Target Shelf: 50 cm
Obstacle: 217.22 cm | Traveled: 5.59 cm
Obstacle: 190.64 cm | Traveled: 11.75 cm
Obstacle: 184.45 cm | Traveled: 17.66 cm
Obstacle: 126.62 cm | Traveled: 23.72 cm
Obstacle: 76.18 cm | Traveled: 29.69 cm
Obstacle: 157.86 cm | Traveled: 35.42 cm
Obstacle: 154.01 cm | Traveled: 41.4 cm
Obstacle: 141.65 cm | Traveled: 47.38 cm
Obstacle: 128.63 cm | Traveled: 53.23 cm
Reached shelf at 50 cm
[WARN@0@28.409] global ./modules/videio/src/cap_gstreamer.cpp (1405) open OpenCV | GStreamer warning: Cannot query video position: status=0, value=-1, duration=-1
Looking for marker ID: 3 (Press 'q' to quit)
Detected: X=-0.01m, Y=-0.01m, Z=0.12m
Sent to Arduino: [0, 30, 0, 70, 60, 45]
Sent to Arduino: [0, 82, 3, 70, 90, 45]
Waiting ss at object location...
Sent to Arduino: [0, 82, 3, 70, 90, 1]
Sent to Arduino: [0, 30, 0, 70, 60, 1]
Plc-and-place done
mobilearm@mobilearm:~ $ python3 final_test1.py
Sent to Arduino: [0, 30, 0, 70, 60, 1]
```