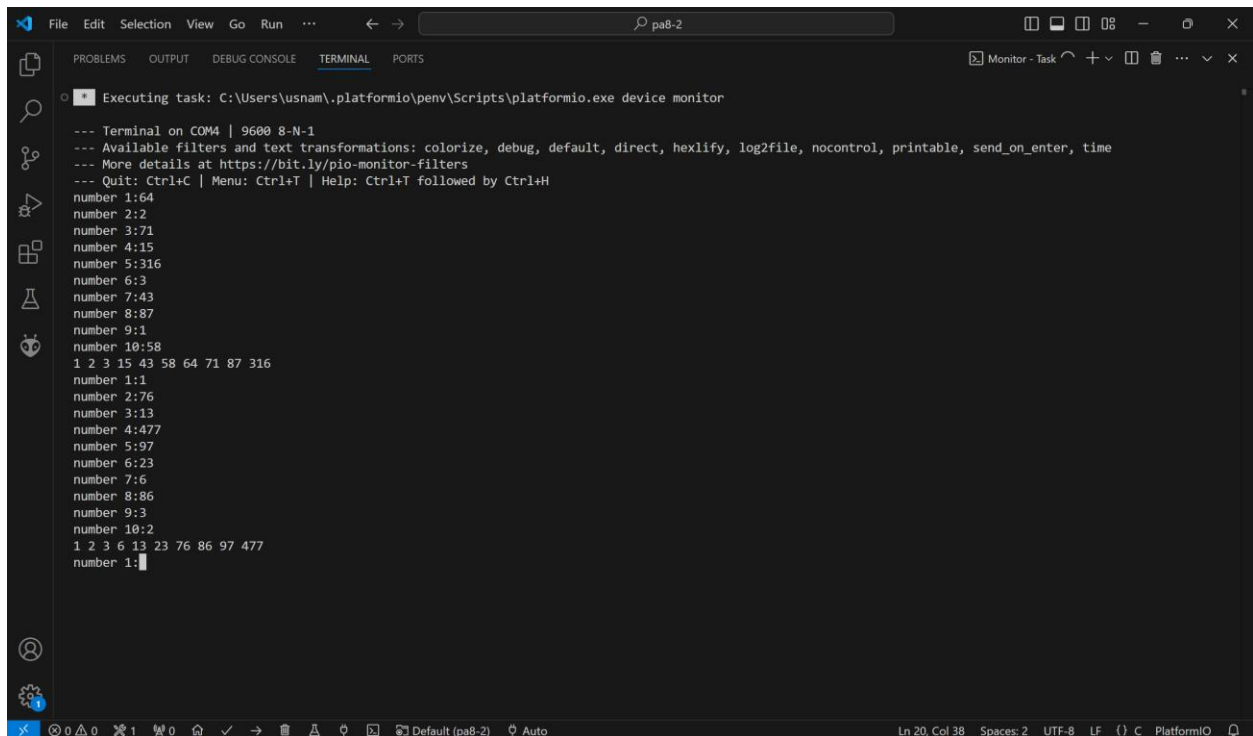


The screenshot shows the PlatformIO IDE interface with the terminal window active. The terminal displays the output of a task named "C:\Users\usnam\.platformio\penv\Scripts\platformio.exe device monitor". The output includes a header with terminal details and a list of available filters. The main output consists of a series of numbers and their combinations, demonstrating a swap operation. The status bar at the bottom indicates the current file is "pa8-1" and the cursor is at line 36, column 62.

```
File Edit Selection View Go Run ... pa8-1
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Executing task: C:\Users\usnam\.platformio\penv\Scripts\platformio.exe device monitor

--- Terminal on COM4 | 9600 8-N-1
--- Available filters and text transformations: colorize, debug, default, direct, hexlify, log2file, nocontrol, printable, send_on_enter, time
--- More details at https://bit.ly/pio-monitor-filters
--- Quit: Ctrl+C | Menu: Ctrl+T | Help: Ctrl+T followed by Ctrl+H
First number:5
Second number:6
5 and 6
6 and 5
First number:156
Second number:75
156 and 75
75 and 156
First number:343
Second number:53
343 and 53
53 and 343
First number:23
Second number:654
23 and 654
654 and 23
First number:
Ln 36, Col 62 Spaces: 2 UTF-8 LF C PlatformIO
```

Output of program 1. Test works as expected (it swaps variables)



The screenshot shows the PlatformIO IDE interface with the terminal window active. The terminal displays the output of a task named "C:\Users\usnam\.platformio\penv\Scripts\platformio.exe device monitor". The output includes a header with terminal details and a list of available filters. The main output consists of a series of numbers and their combinations, demonstrating a swap operation. The status bar at the bottom indicates the current file is "pa8-2" and the cursor is at line 20, column 38.

```
File Edit Selection View Go Run ... pa8-2
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Executing task: C:\Users\usnam\.platformio\penv\Scripts\platformio.exe device monitor

--- Terminal on COM4 | 9600 8-N-1
--- Available filters and text transformations: colorize, debug, default, direct, hexlify, log2file, nocontrol, printable, send_on_enter, time
--- More details at https://bit.ly/pio-monitor-filters
--- Quit: Ctrl+C | Menu: Ctrl+T | Help: Ctrl+T followed by Ctrl+H
number 1:64
number 2:2
number 3:71
number 4:15
number 5:316
number 6:3
number 7:43
number 8:87
number 9:1
number 10:58
1 2 3 15 43 58 64 71 87 316
number 1:1
number 2:76
number 3:13
number 4:477
number 5:97
number 6:23
number 7:6
number 8:86
number 9:3
number 10:2
1 2 3 6 13 23 76 86 97 477
number 1:
Ln 20, Col 38 Spaces: 2 UTF-8 LF C PlatformIO
```

Output of program 2. Test works as expected