

The screenshot shows a dark-themed code editor interface, likely Visual Studio Code. The top bar includes standard menu items: File, Edit, Selection, View, Go, ..., and a search bar. There are three tabs open in the center:

- Task 3 Problem 3 Sensor Data Validation .py
- Task 3 Problem 4 Email Domain Usage Analysis .py
- Task3 Problem 5 Sales Spike Detection .py

The left sidebar has sections for Explorer, Search, Open Folder, and a note about opening a folder. The main area displays Python code for Task 3:

```
C: > Users > dell > OneDrive > Desktop > Task3 Problem 5 Sales Spike Detection .py > ...
1 sales = [1200, 1500, 900, 2200, 1400, 3000]
2
3 # Calculate average sales
4 average_sales = sum(sales) / len(sales)
5
6 # Define spike threshold (30% above average)
7 threshold = average_sales * 1.3
8
9 # Detect and display sales spikes
10 for day, value in enumerate(sales, start=1):
11     if value > threshold:
12         print(f"Day {day}: {value}")
```

The bottom section features a terminal window with the following output:

```
PS C:\Users\dell> & C:/Users/dell/AppData/Local/Programs/Python/Python314/python.exe "c:/Users/dell/OneDrive/Desktop/Task 3 Problem 3 Sensor Data Validation .py"
● Valid Sensor Readings (Hour, Value):
[(1, 4), (3, 8), (4, 10), (5, 12)]
PS C:\Users\dell> & C:/Users/dell/AppData/Local/Programs/Python/Python314/python.exe "c:/Users/dell/OneDrive/Desktop/Task 3 Problem 4 Email Domain Usage Analysis .py"
gmail.com: 60%
yahoo.com: 40%
PS C:\Users\dell> & C:/Users/dell/AppData/Local/Programs/Python/Python314/python.exe "c:/Users/dell/OneDrive/Desktop/Task3 Problem 5 Sales Spike Detection .py"
● Day 6: 3000
○ PS C:\Users\dell>
```

The status bar at the bottom shows file details: Ln 12, Col 37, Spaces: 4, UTF-8, CRLF, and Python. It also displays system information: ENG IN, 19:35, 16-02-2026.