Email Matcher with Regex (20 pts)

Implement a single Python **function** that validates an email address and extracts its domain using a **regular expression**.

Requirements

- Define the function:

  ```
  def is_valid_email(email):
  ```

- Use the Python `re` module for regex matching.
- The regex should support:
    - One or more characters from: **letters, digits, `.` `_` `-`** before `@`
    - **Any non-empty domain name** after `@`.
    - A domain **extension that includes at least one `.`**, and ends with **2–6 alphabetic characters** (which means there should be 2-6 letters after the last `.`)
- The function should:
    i. Return `False, None` if the email is invalid.
    ii. Return `True, domain` if the email is valid, where `domain` is the part after `@`.

Example

```
print(is_valid_email("alice@cs.ucla.edu"))
# Expected output: (True, "cs.ucla.edu")

# NO `.`
print(is_valid_email("bad-email@@test"))
# Expected output: (False, None)

# NOT end with 2-6 characters
print(is_valid_email("user@domaincom.a.a"))
# Expected output: (False, None)
```

Product Sales Visualization (30 pts)

You are given a CSV file named `sales.csv` containing sales information of different products over 5 months. The content of the file goes as the following:

```
Product,Jan,Feb,Mar,Apr,May
Laptop,10,12,11,15,14
Smartphone,20,22,21,25,23
Tablet,15,14,16,17,18
Headphones,12,15,14,16,15
Smartwatch,8,10,9,11,12
```

Write a Python **program** to visualize the sales data using **Matplotlib**.

Requirements

1. **Line Graph (single image)**:
   - Plot **Units Sold** for all products in **one figure**, with **one line per product**.
   - X-axis: Month names (`Jan` to `May`)
   - Y-axis: Units sold
   - Each product should have a distinct line with a label.
   - Include a title, axis labels, and a legend.
   - Use `plt.show()` to display the graph.

2. **Pie Chart**:
   - Show the **total units sold over all 5 months** for each product as a proportion of overall sales.
   - Include labels and percentages.
   - Use `plt.show()` to display the chart.

3. **Bar Graph**:
   - Plot the **total units sold over all 5 months** for each product.
   - X-axis: Product names
   - Y-axis: Total units sold
   - Include a title and axis labels.
   - Use `plt.show()` to display the chart.