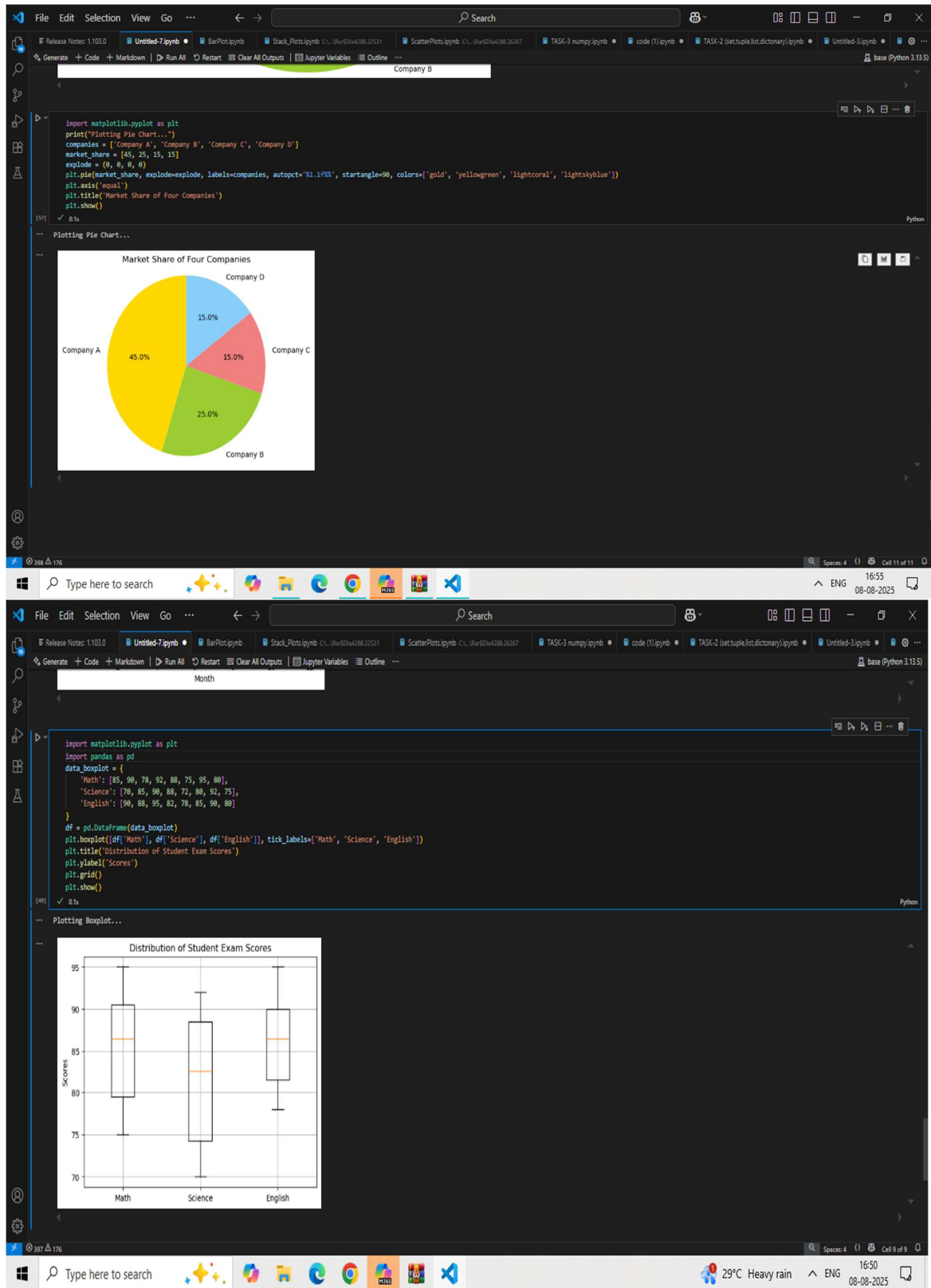
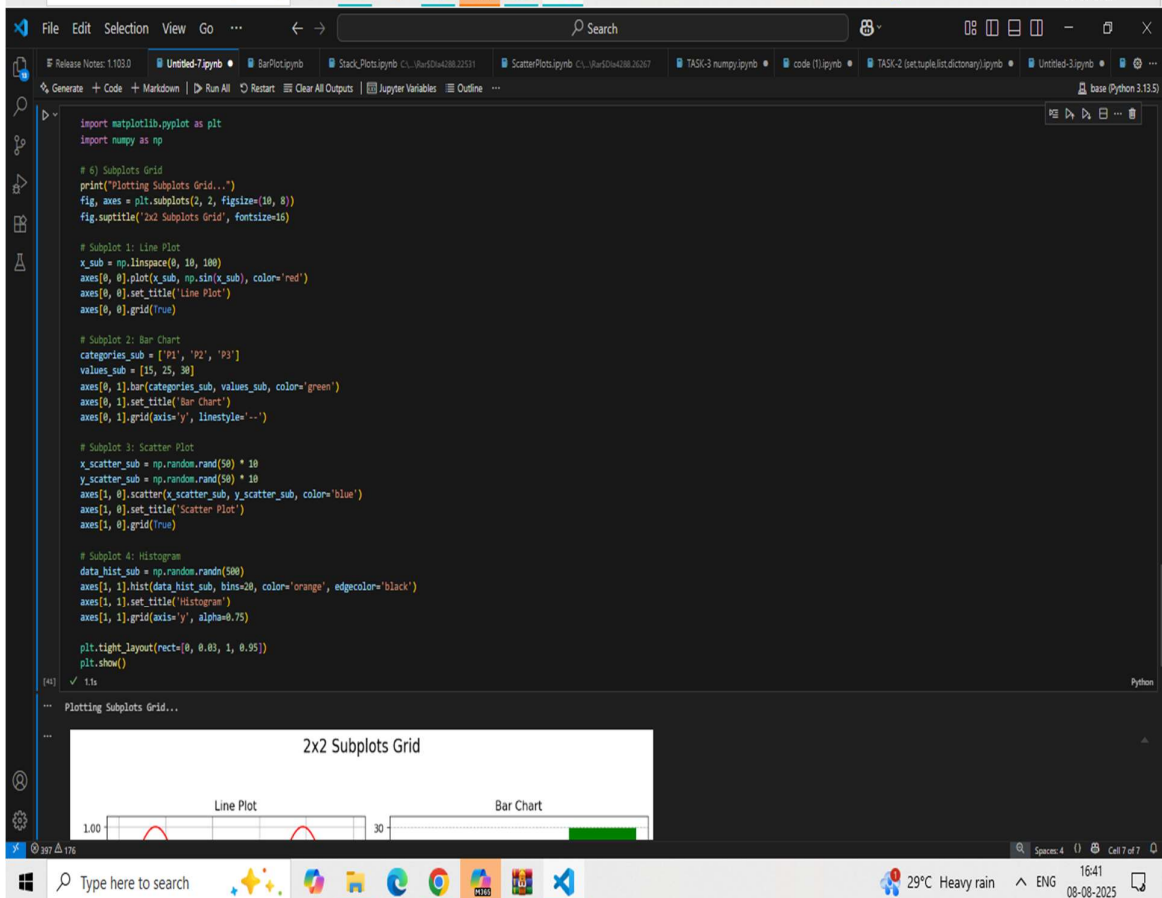
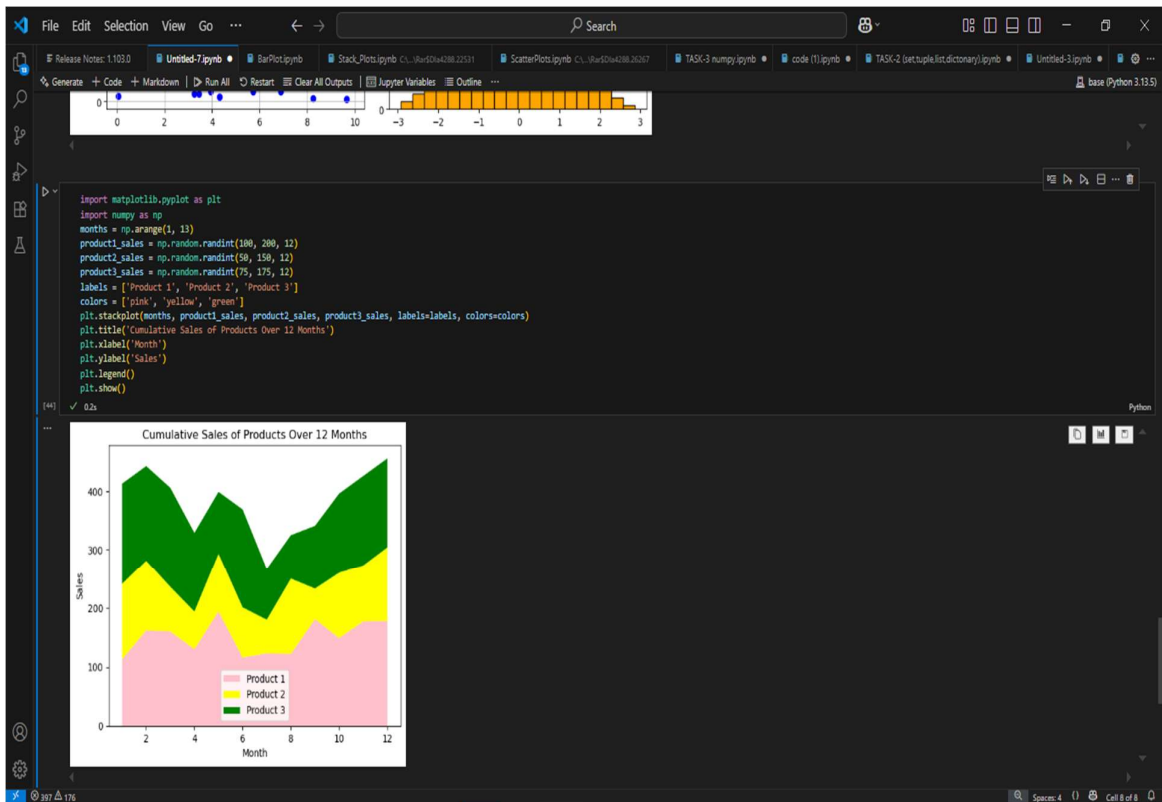
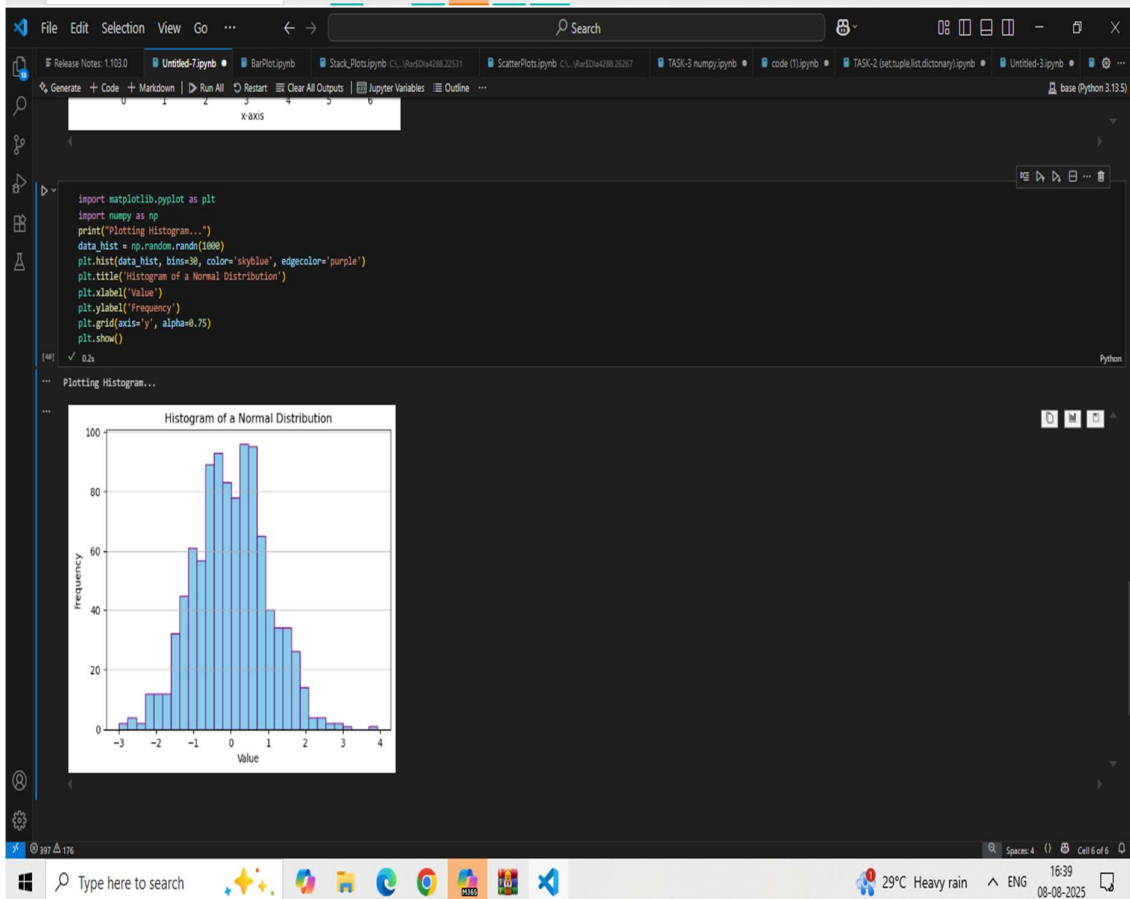
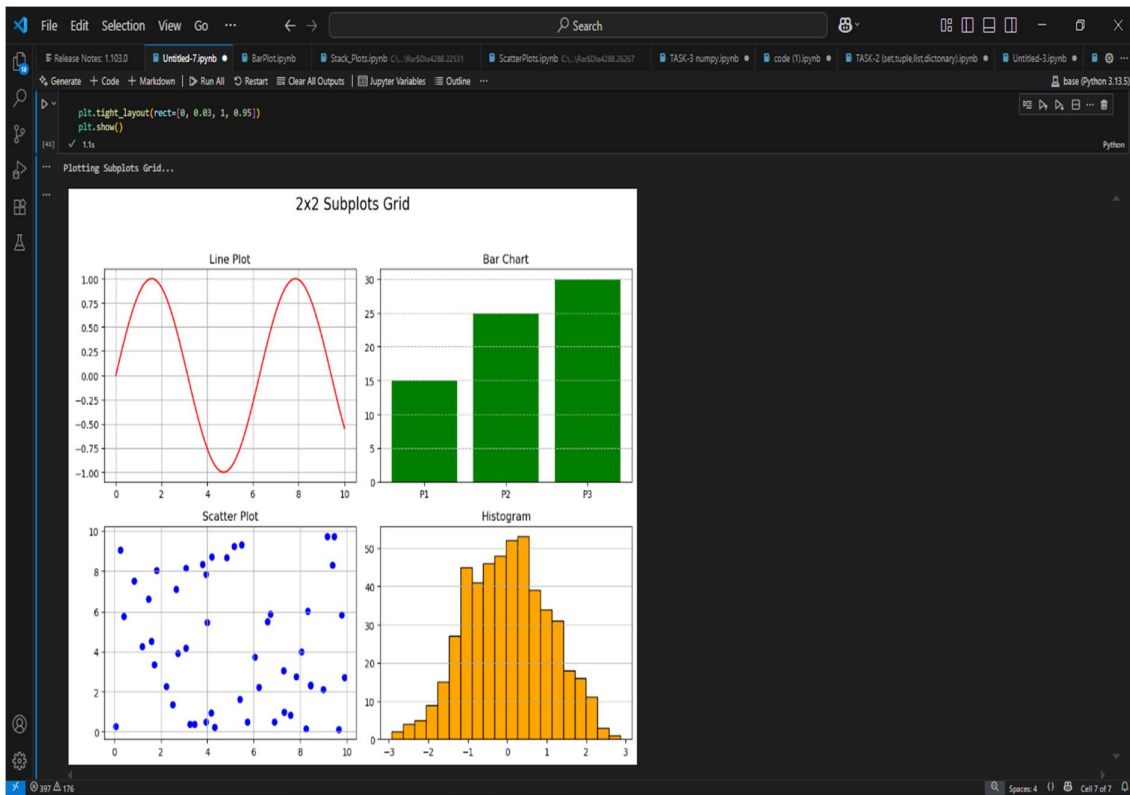


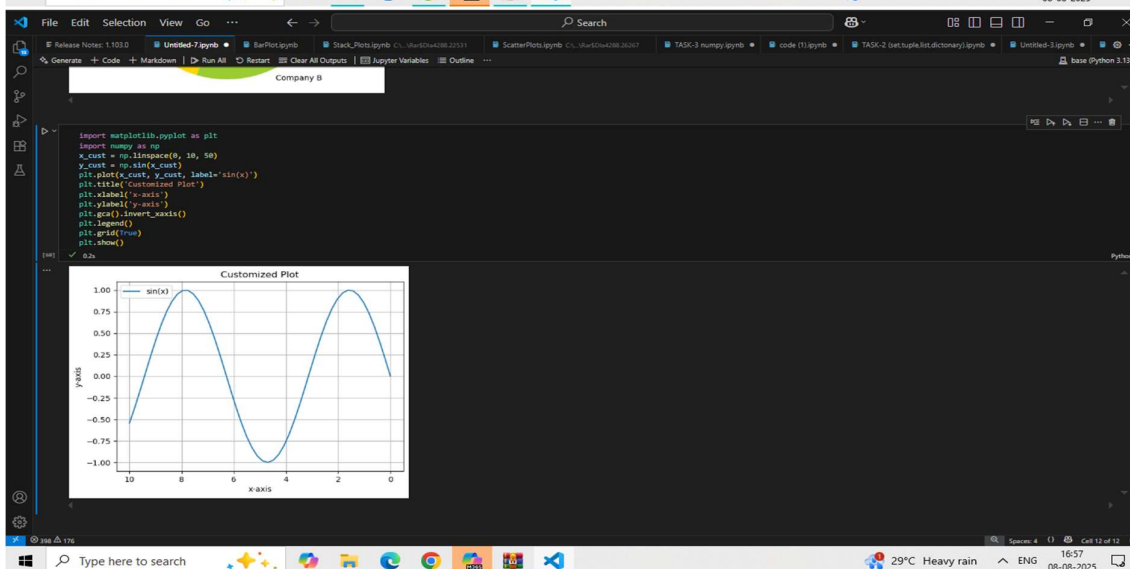
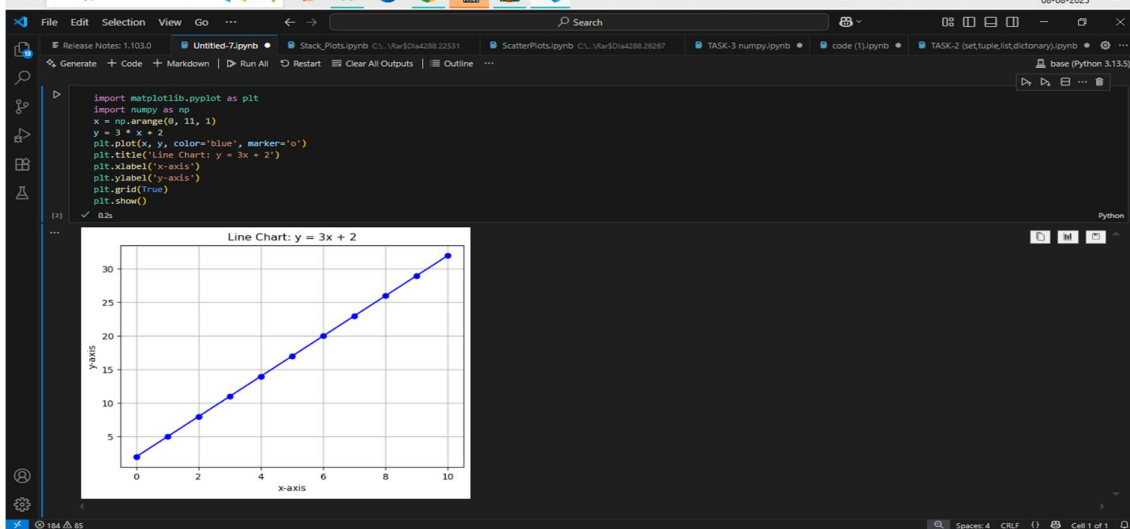
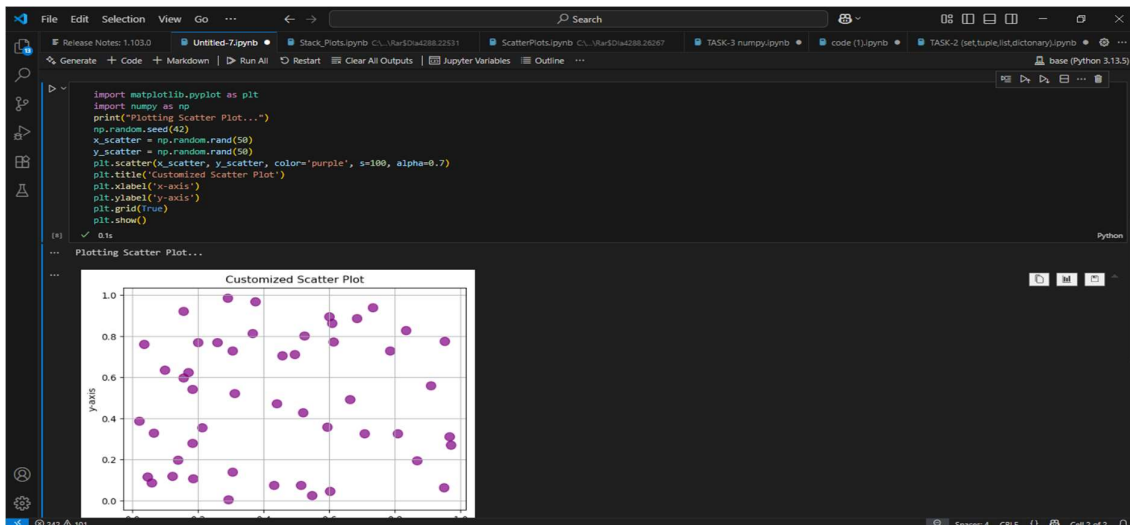
## Task 5 matplotlib 10 questions











## Task 6 scrape

The image displays two JupyterLab notebooks running on a local server (localhost:8888). The top notebook, named 'scr.ipynb', contains a Python script that scrapes weather data from a website using the 'requests' library and the 'prettytable' library for formatting. The script iterates over a list of cities (Mumbai, Nagpur, Ratnagiri, Akola, Kolhapur) and fetches the current weather condition, description, and temperature. The output is a formatted table:

City	Description	Temperature
Mumbai	Haze	27 °C
Nagpur	Mist	27 °C
Ratnagiri	Light rain shower	23 °C
Akola	Light rain shower	26 °C
Kolhapur	Mist	21 °C

The bottom notebook, named 'page9.html', contains a Python script that scrapes book data from 'books.toscrape.com' using the 'requests' library and 'BeautifulSoup'. The script fetches the title and price of each book and appends it to a list. The output is a long list of book titles and prices, such as 'A Light in the Attic', 'Tipping the Velvet', 'Soumission', etc.

Browser tabs: (5) WhatsApp, Microsoft W, Home, scr, page9.html, Untitled4, Microsoft W, Microsoft W, +

Address bar: localhost:8888/notebooks/htmls/scr.ipynb?

Jupyter scr Last Checkpoint: 2 days ago

File Edit View Run Kernel Settings Help Trusted

JupyterLab Python [conda env:anaconda3]

```
[9]: import requests
from bs4 import BeautifulSoup
import csv

base_url = "https://realpython.github.io/fake-jobs/"
jobs = []

# Loop through first 3 pages
for page in range(1, 4):
    url = f"{base_url}?page={page}"
    response = requests.get(url)
    soup = BeautifulSoup(response.text, "html.parser")

    job_cards = soup.find_all("div", class_="card-content")

    for job in job_cards:
        title = job.find("h2", class_="title").get_text(strip=True)
        company = job.find("h3", class_="company").get_text(strip=True)
        location = job.find("p", class_="location").get_text(strip=True)
        jobs.append((title, company, location))

# Save to CSV
with open("fake_jobs.csv", "w", newline="", encoding="utf-8") as f:
    writer = csv.writer(f)
    writer.writerow(["Title", "Company", "Location"])
    writer.writerows(jobs)

print("Data saved to fake_jobs.csv")
```

✓ Data saved to fake\_jobs.csv

Windows taskbar: Type here to search, 25°C Mostly cloudy, 23:20, 14-08-2025