

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

> & "C:/Users/Abhinav Krishna/AppData/Local/Programs/Python/Python313/python.exe" "c:/Users/Abhinav Krishna/Desktop/PYTHON/campus-energy-dashboard-Abhinav/main.py"

Loading data...

Calculating aggregations...

Generating dashboard...

c:\Users\Abhinav Krishna\Desktop\PYTHON\campus-energy-dashboard-Abhinav\main.py:101: UserWarning: set_ticklabels() should only be used with a fixed number of ticks, i.e. after set_ticks() or using a FixedLocator.

axes[1].set_xticklabels(weekly.index.strftime("%Y-%m-%d"), rotation=45)

Creating summary report...

CAMPUS ENERGY SUMMARY

Total Campus Consumption: 1718 kWh

Highest Consuming Building: admin

Highest Peak Time Load: 2024-01-03 00:00:00

Monthly / Weekly trends saved in output folder.

All tasks completed successfully!

PS C:\Users\Abhinav Krishna\Desktop\PYTHON\campus-energy-dashboard-Abhinav>

Ln 1, Col 1 Spaces: 4 UTF-8 CRLF { } Plain Text 🔍 (↻) Go Live 🔍 🔍

File Edit Selection View Go Run Terminal Help ← → Q weather-data-visualizer-Ahlinev

EXPLORER ... Welcome weather_visualizer.py cleaned_weather.csv X daily_weather_data.csv Extension: Rainbow CSV

WEATHER-DATA-VISUALIZER-A... cleaned_weather.csv combined_plot.png daily_temperature.png daily_weather_data.csv humidity_vs_temperature.png monthly_rainfall.png monthly_summary.csv weather_visualizer.py

cleaned_weather.csv > data

	date	temperature	humidity	rainfall	month	year
1	2024-01-01	26	78	0	1	2024
2	2024-01-02	27	82	2	1	2024
3	2024-01-03	25	80	0	1	2024
4	2024-01-04	28	75	5	1	2024
5	2024-01-05	29	77	1	1	2024
6	2024-01-06	30	78	0	1	2024
7	2024-01-07	31	65	3	1	2024
8	2024-01-08	32	60	1	1	2024
9	2024-01-09	33	55	0	1	2024
10	2024-01-10	34	58	4	1	2024
11	2024-01-11	35	62	7	1	2024
12	2024-01-12	36	65	10	1	2024

```
File Edit Selection View Go Run Terminal Help ← → Q campus-energy-dashboard-Abhinav
EXPLORER
CAMPUS-ENERGY-DASHBOARD... main.py building_summary.csv cleaned_energy_data.csv dashboard.png summary.txt admin.csv hostel.csv library.csv
data
admin.csv
hostel.csv
library.csv
output
building_summary.csv
cleaned_energy_data.csv
dashboard.png
summary.txt
main.py

building,mean,max,min,sum
admin,240.0,300,200,960
hostel,136.25,156,120,545
library,53.25,60,48,213
```

File Edit Selection View Go Run Terminal Help ← → C:\campus-energy-dev\dashboard\Abhishek

EXPLORER

CAMPUS-ENERGY-DASHBOARD-ABHINAV

- data
 - admin.csv
 - hostel.csv
 - library.csv
- output
 - building_summary.csv
 - cleaned_energy_data.csv
 - dashboard.png
 - summary.txt
- main.py

summary.txt

```
1 CAMPUS ENERGY SUMMARY
2 -----
3 Total Campus Consumption: 1718 kWh
4 Highest Consuming Building: admin
5 Highest Peak Time Load: 2024-01-03 00:00:00
6 Monthly / Weekly trends saved in output folder.
7
8
9
```

File Edit Selection View Go Run Terminal Help ← → Q campus-energy-dashboard-Abhinev

EXPLORER

CAMPUS-ENERGY-DASHBOARD... main.py summary.txt

data
admin.csv
hostel.csv
library.csv

output
building_summary.csv
cleaned_energy_data.csv
dashboard.png
summary.txt
main.py

timestamp,kwh,building
1 2024-01-01 00:00:00,200,admin
2 2024-01-01 01:00:00,210,admin
3 2024-01-02 00:00:00,250,admin
4 2024-01-03 00:00:00,300,admin
5 2024-01-01 00:00:00,120,hostel
6 2024-01-01 01:00:00,135,hostel
7 2024-01-01 02:00:00,140,hostel
8 2024-01-02 00:00:00,150,hostel
9 2024-01-01 00:00:00,50,library
10 2024-01-01 01:00:00,55,library
11 2024-01-01 02:00:00,48,library
12 2024-01-02 00:00:00,50,library
13 2024-01-02 00:00:00,50,library
14

File Edit Selection View Go Run Terminal Help ← → Q campus-energy-dashboard-Abhinev

EXPLORER

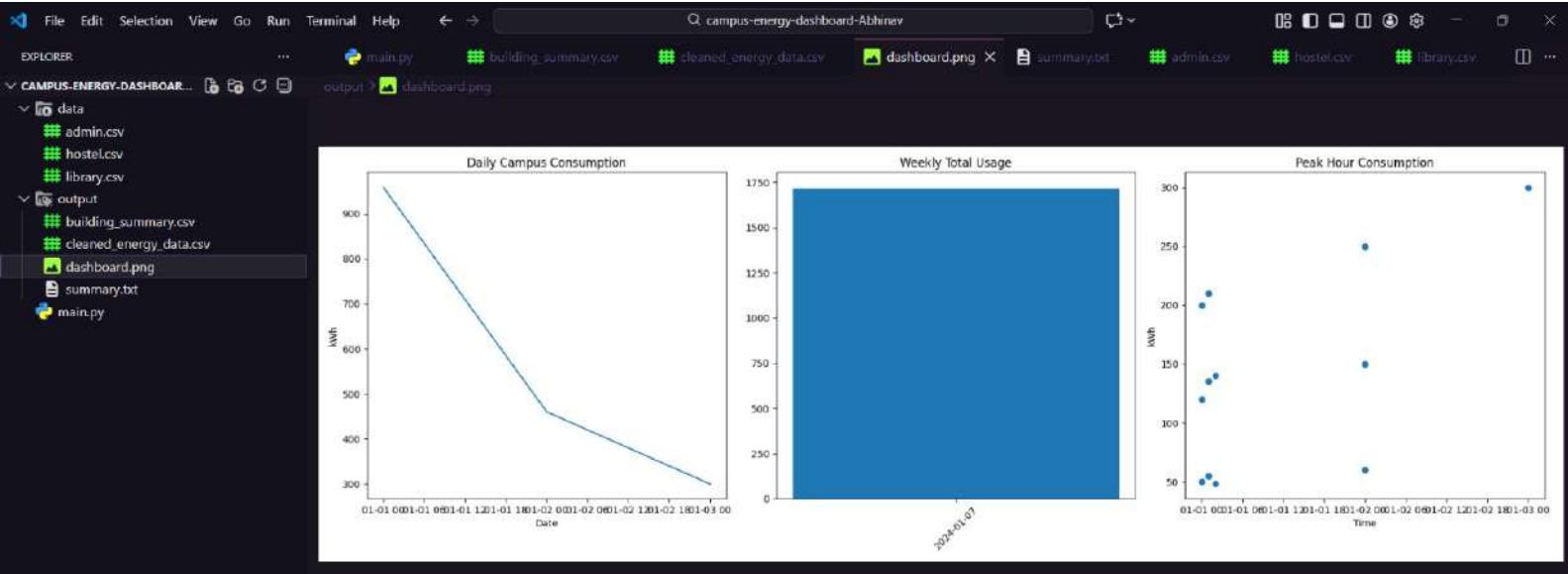
CAMPUS-ENERGY-DASHBOARD... main.py building_summary.csv cleaned_energy_data.csv dashboard.png summary.txt admin.csv hostel.csv library.csv

data / library.csv / data

	timestamp,kwh
1	2024-01-01 00:00,50
2	2024-01-01 01:00,55
3	2024-01-01 02:00,48
4	2024-01-02 00:00,60

output

building_summary.csv cleaned_energy_data.csv dashboard.png summary.txt main.py



The screenshot shows a code editor interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** campus-energy-dashboard-Abhinav
- Explorer:** CAMPUS-ENERGY-DASHBOARD-ABHINAV
 - data:** admin.csv, building_summary.csv, cleaned_energy_data.csv, dashboard.png, summary.txt
 - output:** building_summary.csv, cleaned_energy_data.csv, dashboard.png, summary.txt
- Code Editor:** A Python file named main.py is open, showing the following code:

```
main.py
# Import required libraries
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
from datetime import datetime, timedelta
from collections import defaultdict
```
- Terminal:** A terminal window is visible at the bottom, showing the command "python main.py" being run.
- Output:** The terminal output shows the execution of the script and the creation of several CSV files in the "output" directory.

A screenshot of a code editor interface, likely Visual Studio Code, displaying a project titled "WEATHER-DATA-VISUALIZER-A...".

The top bar shows the menu: File, Edit, Selection, View, Go, Run, Terminal, Help.

The title bar indicates the current file is "weather_visualizer.py".

The Explorer sidebar on the left lists the project files:

- cleaned_weather.csv
- combined_plot.png
- daily_temperature.png
- daily_weather_data.csv
- humidity_vs_temperature.png
- monthly_rainfall.png
- monthly_summary.csv
- weather_visualizer.py

The main editor area shows the content of "monthly_summary.csv":

```
month,temperature,rainfall,humidity
1,29.5,16,78.0
```