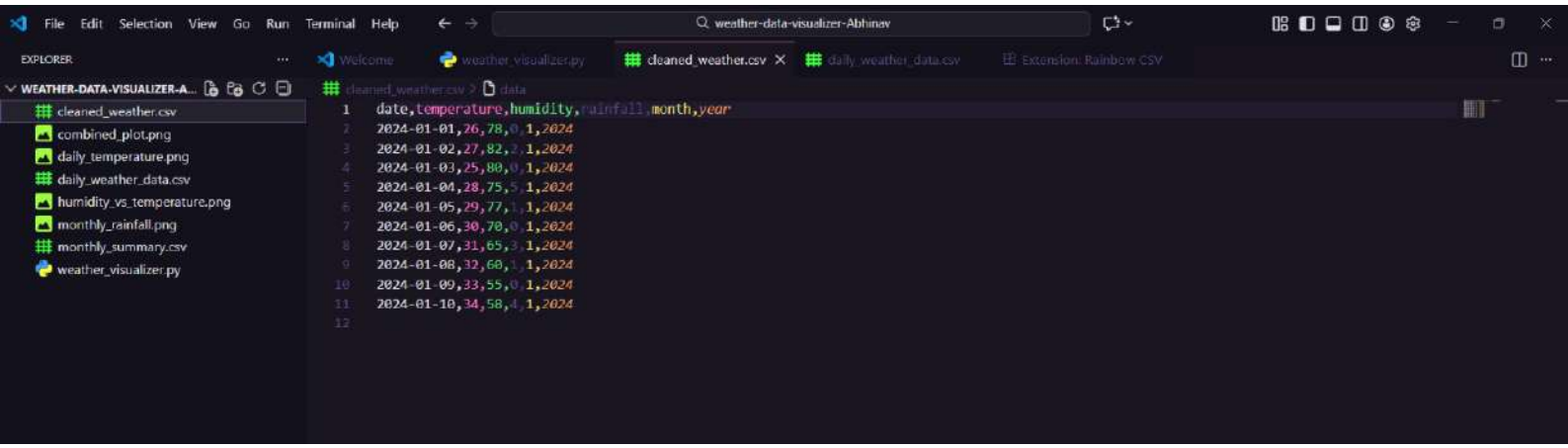
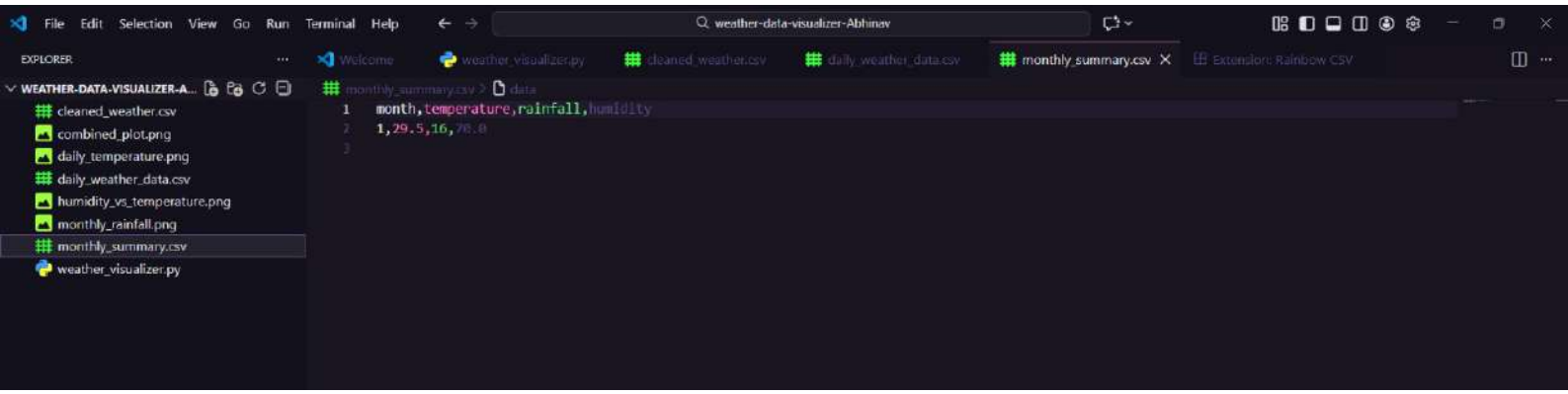
```
PS C:\Users\Abhinav Krishna\Desktop\PYTHON\weather-data-visualizer-Abhinav>python weather_visualizer.py
First 5 rows:
         date  temperature  humidity  rainfall
0  2024-01-01           26        78         0
1  2024-01-02           27        82         2
2  2024-01-03           25        80         0
3  2024-01-04           28        75         5
4  2024-01-05           29        77         1

Dataset Info:
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 10 entries, 0 to 9
Data columns (total 4 columns):
 #   Column       Non-Null Count  Dtype
---  ------       --------------  -----
 0   date         10 non-null     object
 1   temperature  10 non-null     int64
 2   humidity     10 non-null     int64
 3   rainfall     10 non-null     int64
dtypes: int64(3), object(1)
memory usage: 452.0+ bytes
None

Statistical Summary:
       temperature   humidity   rainfall
count     10.00000  10.000000  10.000000
mean      29.50000  70.000000   1.600000
std        3.02765   9.865766   1.837873
min       25.00000  55.000000   0.000000
25%       27.25000  61.250000   0.000000
50%       29.50000  72.500000   1.000000
75%       31.75000  77.750000   2.750000
max       34.00000  82.000000   5.000000

Daily Mean Temperature: 29.5
Max Temperature: 34
Min Temperature: 25

Monthly Summary:
       temperature  rainfall  humidity
month
1             29.5        16      70.0

All tasks completed successfully!
```


File Edit Selection View Go Run Terminal Help
weather-data-visualizer-Abhinav
EXPLORER
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
Welcome
weather_visualizer.py
cleaned_weather.csv
daily_weather_data.csv
Extension: Rainbow CSV
cleaned_weather.csv > data
1 date,temperature,humidity,rainfall,month,year
2 2024-01-01,26,78,0,1,2024
3 2024-01-02,27,82,2,1,2024
4 2024-01-03,25,80,0,1,2024
5 2024-01-04,28,75,5,1,2024
6 2024-01-05,29,77,1,1,2024
7 2024-01-06,30,70,0,1,2024
8 2024-01-07,31,65,3,1,2024
9 2024-01-08,32,60,1,1,2024
10 2024-01-09,33,55,0,1,2024
11 2024-01-10,34,58,4,1,2024
12


File Edit Selection View Go Run Terminal Help
weather-data-visualizer-Abhinav
EXPLORER
WEATHER-DATA-VISUALIZER-A...
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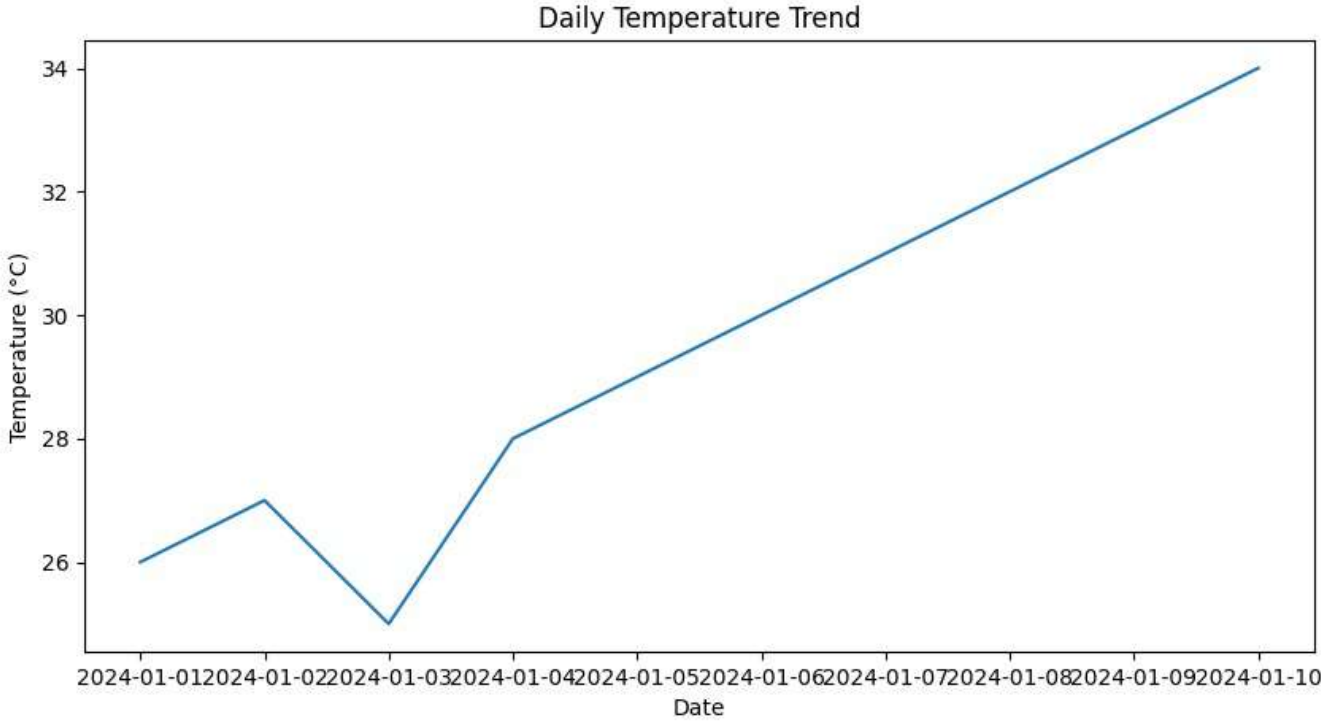
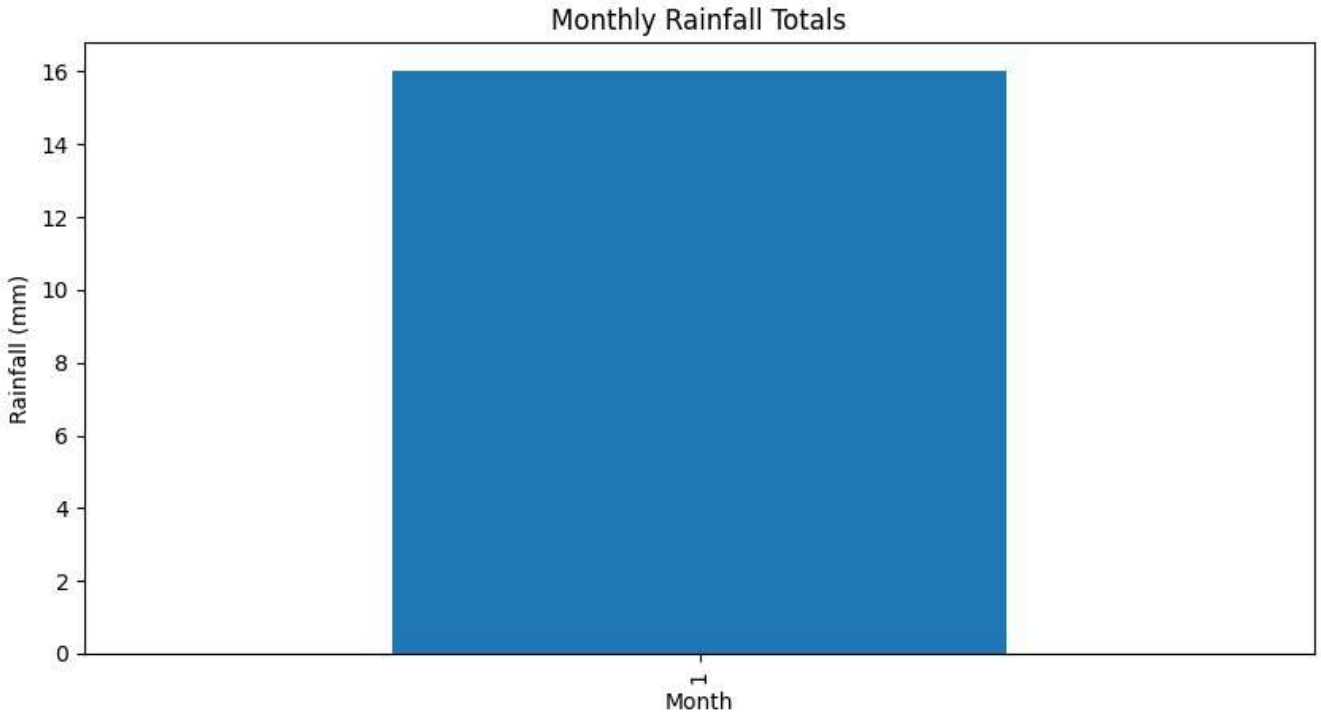
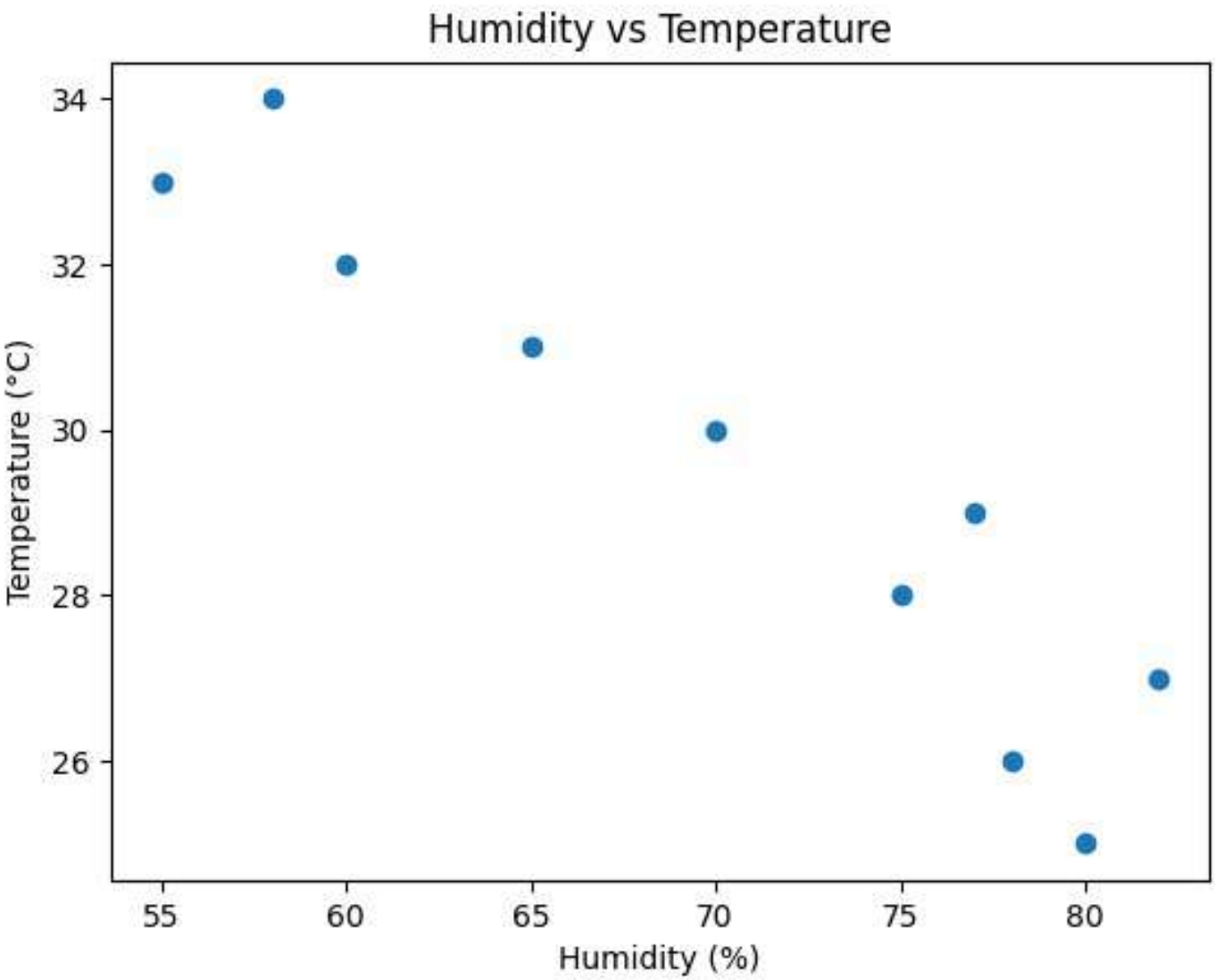
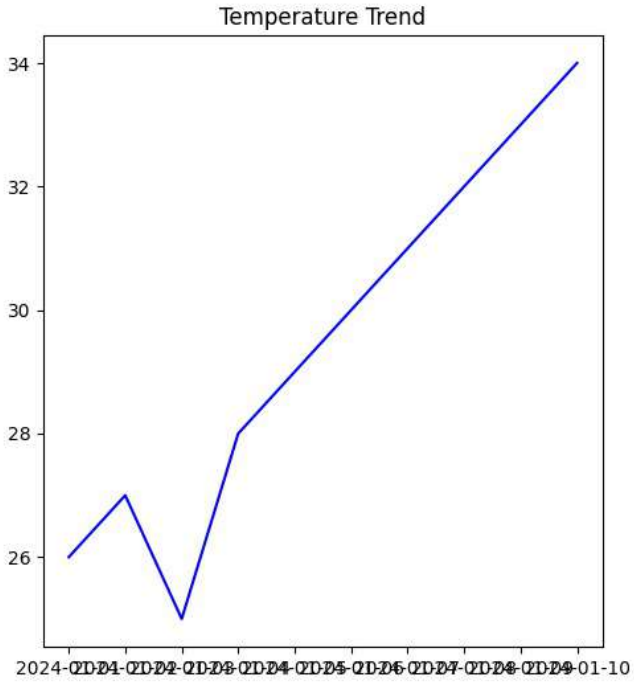
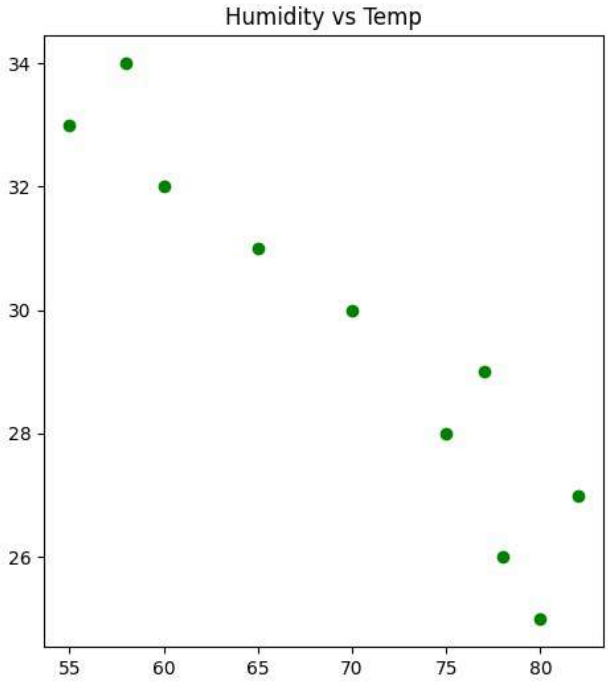
Welcome
weather_visualizer.py
cleaned_weather.csv
daily_weather_data.csv
monthly_summary.csv
Extension: Rainbow CSV
monthly_summary.csv > data
1 month,temperature,rainfall,humidity
2 1,29.5,16,78.0


Daily Temperature Trend
Temperature (°C)
34
32
30
28
26
2024-01-01
2024-01-02
2024-01-03
2024-01-04
2024-01-05
2024-01-06
2024-01-07
2024-01-08
2024-01-09
2024-01-10
Date


Monthly Rainfall Totals
Rainfall (mm)
0
2
4
6
8
10
12
14
16
1
Month


Humidity vs Temperature
Temperature (°C)
34
32
30
28
26
55
60
65
70
75
80
Humidity (%)


Temperature Trend
34
32
30
28
26
2024-01-10


Humidity vs Temp
34
32
30
28
26
55
60
65
70
75
80