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Assignment No : 13

Div:A
BATCH:B1

Title : Locate dataset (e.g., sample_weather.txt) for working on weather data which reads the text input files and finds average for temperature, dew point and wind speed.

In [1]:

```
import pandas as pd
```

In [2]:

```
df = pd.read_csv("sample_weather.txt")
```

In [3]:

```
df
```

Out[3]:

	Date	Temperature	Dew Point	Wind Speed
0	2024-03-01	25	18	12
1	2024-03-02	27	19	15
2	2024-03-03	26	20	14
3	2024-03-04	28	21	10

In [4]:

```
avg_temp = df["Temperature"].mean()
```

```
avg_dew_point = df["Dew Point"].mean()
```

```
avg_wind_speed = df["Wind Speed"].mean()
```

In [5]:

```
print(f"Average Temperature: {avg_temp:.2f}°C")
```

```
print(f"Average Dew Point: {avg_dew_point:.2f}°C")
```

```
print(f"Average Wind Speed: {avg_wind_speed:.2f} km/h")
```

Average Temperature: 26.50°C

Average Dew Point: 19.50°C

Average Wind Speed: 12.75 km/h

