**Performing Analysis of Meteorological Data**

**Code:**

import numpy as np

import pandas as pd

import matplotlib.pyplot as plt

df=pd.read\_csv("weatherHistory.csv")

print(df.head())

tit\_req=["Formatted Date","Apparent Temperature (C)","Humidity"]

df=df[tit\_req]

print(df.head())

df['Formatted Date']=pd.to\_datetime(df['Formatted Date'] , utc=True)

df\_1=df.set\_index('Formatted Date')

df\_1=df\_1.resample('MS').mean()

print(df\_1.head())

plt.figure(figsize=(14,6))

plt.title("Variation in Apparent Temperature and Humidity with time")

plt.plot(df\_1)

df\_april=df\_1[df\_1.index.month==4]

plt.figure(figsize=(14,6))

plt.title("Variation in Apparent Temperature and Humidity with time in April")

plt.plot(df\_april)

**Output:**





