```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns

df=pd.read_csv("/content/unnati_phase1_data_revised.csv")

df
df.head()
df.tail()
df.info()
df.shape
df.describe()
df.head()

sd = pd.to_datetime('2022-06-01')
ed = pd.to_datetime('2022-08-31')
df['Date'] = pd.to_datetime(df['Date'])
n = (df['Date']>= sd) & (df['Date']<= ed)
df1 = df.loc[n]
df2 = df1.set_index('Date')
plt.figure(figsize=(10,5))
plt.xlabel("Date",fontsize=16, color='black')
plt.ylabel("Accidents", fontsize=16, color='black')
df2['Speed'].plot(color='green');
plt.show()

sd = pd.to_datetime('2022-06-01')
ed = pd.to_datetime('2022-06-30')
df['Date'] = pd.to_datetime(df['Date'])
n = (df['Date']>=sd) & (df['Date']<= ed)
df1 = df.loc[n]
df2 = df1[['Date','Speed']]
df3 = df1.set_index('Date')
df3['Speed'].plot(figsize=(10,7),legend=True,linestyle='--',marker='o')
df3 = df2.set_index('Date')
plt.legend(loc=2)
plt.show()
```