blood\_pressure

import matplotlib.pyplot as plt

# Sample health data

dates = ['2023-01-01', '2023-02-01', '2023-03-01', '2023-04-01', '2023-05-01']

blood\_pressure = [120, 122, 118, 125, 130]

# Create the line graph

plt.figure(figsize=(8, 4))

plt.plot(dates, blood\_pressure, marker='o', linestyle='-')

# Add labels and title

plt.xlabel('Date')

plt.ylabel('Blood Pressure (mmHg)')

plt.title('Patient Health Report')

# Rotate x-axis labels for better readability

plt.xticks(rotation=45)

# Show the graph

plt.grid(True)

plt.tight\_layout()

plt.show()

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body\_temperature

import matplotlib.pyplot as plt

# Sample health data

dates = ['2023-01-01', '2023-02-01', '2023-03-01', '2023-04-01', '2023-05-01']

body\_temperature = [98.6, 98.7, 99.0, 98.8, 99.2]

# Create the line graph

plt.figure(figsize=(8, 4))

plt.plot(dates, body\_temperature, marker='o', linestyle='-')

# Add labels and title

plt.xlabel('Date')

plt.ylabel('Body Temperature (Fahrenheit)')

plt.title('Patient Health Report - Body Temperature')

# Rotate x-axis labels for better readability

plt.xticks(rotation=45)

# Show the graph

plt.grid(True)

plt.tight\_layout()

plt.show()

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pulse\_rate

import matplotlib.pyplot as plt

# Sample health data

dates = ['2023-01-01', '2023-02-01', '2023-03-01', '2023-04-01', '2023-05-01']

pulse\_rate = [72, 75, 80, 78, 85]

# Create the line graph

plt.figure(figsize=(8, 4))

plt.plot(dates, pulse\_rate, marker='o', linestyle='-')

# Add labels and title

plt.xlabel('Date')

plt.ylabel('Pulse Rate (bpm)')

plt.title('Patient Health Report - Pulse Rate')

# Rotate x-axis labels for better readability

plt.xticks(rotation=45)

# Show the graph

plt.grid(True)

plt.tight\_layout()

plt.show()

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patient personal details

import matplotlib.pyplot as plt

# Initialize empty lists to store user-provided data

dates = []

blood\_pressure = []

body\_temperature = []

pulse\_rate = []

# Prompt the user for patient personal details

patient\_name = input("Enter patient's name: ")

patient\_age = input("Enter patient's age: ")

patient\_gender = input("Enter patient's gender: ")

patient\_location = input("Enter patient's location: ")

# Prompt the user for health data

num\_entries = int(input("Enter the number of health data entries: "))

for i in range(num\_entries):

date = input("Enter date (YYYY-MM-DD): ")

dates.append(date)

bp = float(input("Enter blood pressure (mmHg): "))

blood\_pressure.append(bp)

temp = float(input("Enter body temperature (Fahrenheit): "))

body\_temperature.append(temp)

rate = int(input("Enter pulse rate (bpm): "))

pulse\_rate.append(rate)

# Display patient details

print("\nPatient Details:")

print(f"Name: {patient\_name}")

print(f"Age: {patient\_age}")

print(f"Gender: {patient\_gender}")

print(f"Location: {patient\_location}")

# Create a single graph with different colors for each parameter

plt.figure(figsize=(8, 4))

# Plot blood pressure in blue

plt.plot(dates, blood\_pressure, marker='o', linestyle='-', color='blue', label='Blood Pressure')

# Plot body temperature in green

plt.plot(dates, body\_temperature, marker='o', linestyle='-', color='green', label='Body Temperature')

# Plot pulse rate in red

plt.plot(dates, pulse\_rate, marker='o', linestyle='-', color='red', label='Pulse Rate')

# Add labels and title

plt.xlabel('Date')

plt.ylabel('Measurement')

plt.title('Patient Health Report')

# Add a legend to differentiate the lines

plt.legend()

# Rotate x-axis labels for better readability

plt.xticks(rotation=45)

# Show the graph

plt.grid(True)

plt.tight\_layout()

plt.show()

# Prompt the doctor to provide a prescription

doctor\_prescription = input("Doctor, please provide your prescription for the patient: ")

# Display the prescription

print("\nDoctor's Prescription:")

print(doctor\_prescription)