import csv

import datetime as dt

import matplotlib.pyplot as plt

LOG\_FILENAME = "ph\_readings.csv"

def main():

"""Plot readings over time, from a CSV log file."""

timestamps = []

readings = []

with open(LOG\_FILENAME) as f:

reader = csv.reader(f)

for (timestamp, ph) in reader:

# Parse the timestamp into a `datetime.datetime`.

timestamps.append(dt.datetime.fromisoformat(timestamp))

readings.append(float(ph))

fig, ax = plt.subplots()

ax.plot(timestamps, readings) # Use `ax.scatter(...)` for a scatterplot.

ax.set\_title("pH over time")

ax.set\_xlabel('Date and time of reading')

ax.set\_ylabel('pH')

ax.set\_ylim(6, 8)

plt.show()