import requests

import pandas as pd

# Replace with your actual Uber API credentials

UBER\_API\_URL = 'https://api.uber.com/v1/history'

UBER\_API\_KEY = 'YOUR\_API\_KEY'

def fetch\_uber\_data(api\_key):

headers = {

'Authorization': 'Bearer ' + api\_key,

}

params = {

'limit': 100, # Adjust the limit as needed

}

response = requests.get(UBER\_API\_URL, headers=headers, params=params)

if response.status\_code == 200:

return response.json()['history']

else:

print(f"Error fetching data: {response.status\_code}")

return None

def analyze\_uber\_data(data):

if not data:

return

# Convert the JSON data to a DataFrame

df = pd.DataFrame(data)

# Perform data analysis using pandas or other libraries

# Example: Calculate average trip duration

df['duration'] = pd.to\_datetime(df['end\_time']) - pd.to\_datetime(df['start\_time'])

avg\_duration = df['duration'].mean()

print(f"Average trip duration: {avg\_duration}")

def main():

uber\_data = fetch\_uber\_data(UBER\_API\_KEY)

analyze\_uber\_data(uber\_data)

if \_\_name\_\_ == "\_\_main\_\_":

main()