**FITNESS TRACKER APP**

import sqlite3

import datetime

# Create a connection to the SQLite database

conn = sqlite3.connect('fitness\_tracker.db')

cursor = conn.cursor()

# Create table for users if it doesn't exist

cursor.execute('''

CREATE TABLE IF NOT EXISTS users (

user\_id INTEGER PRIMARY KEY,

name TEXT NOT NULL,

age INTEGER,

weight INTEGER

)

''')

# Create table for daily logs (steps, calories burned)

cursor.execute('''

CREATE TABLE IF NOT EXISTS daily\_logs (

log\_id INTEGER PRIMARY KEY,

user\_id INTEGER,

date TEXT,

steps INTEGER,

calories INTEGER,

FOREIGN KEY(user\_id) REFERENCES users(user\_id)

)

''')

# Function to add a new user

def add\_user(name, age, weight):

cursor.execute('''

INSERT INTO users (name, age, weight)

VALUES (?, ?, ?)

''', (name, age, weight))

conn.commit()

# Function to log daily activity

def log\_activity(user\_id, steps):

date = datetime.datetime.now().strftime("%Y-%m-%d")

calories = steps \* 0.04 # Example: 0.04 calories per step

cursor.execute('''

INSERT INTO daily\_logs (user\_id, date, steps, calories)

VALUES (?, ?, ?, ?)

''', (user\_id, date, steps, calories))

conn.commit()

# Function to view today's log

def view\_today\_log(user\_id):

today = datetime.datetime.now().strftime("%Y-%m-%d")

cursor.execute('''

SELECT date, steps, calories FROM daily\_logs

WHERE user\_id = ? AND date = ?

''', (user\_id, today))

log = cursor.fetchone()

if log:

print(f"Date: {log[0]}")

print(f"Steps: {log[1]}")

print(f"Calories: {log[2]}")

else:

print("No log for today.")

# Add a new user (example)

add\_user('John Doe', 25, 150)

# Log some activity (example: 5000 steps)

log\_activity(1, 5000)

# View today's log

view\_today\_log(1)

# Close the database connection

conn.close()