import sqlite3

# Read the file and copy its content to a list

with open("stephen\_king\_adaptations.txt", "r") as file:

stephen\_king\_adaptations\_list = [line.strip().split(",") for line in file]

# Establish connection with SQLite database

connection = sqlite3.connect("stephen\_king\_adaptations.db")

cursor = connection.cursor()

# Create the table

cursor.execute('''CREATE TABLE IF NOT EXISTS stephen\_king\_adaptations\_table (

movieID TEXT,

movieName TEXT,

movieYear INTEGER,

imdbRating REAL

)''')

# Insert data from the list into the table

cursor.executemany("INSERT INTO stephen\_king\_adaptations\_table VALUES (?, ?, ?, ?)",

stephen\_king\_adaptations\_list)

# Commit changes and close the connection

connection.commit()

connection.close()

# Define a function to search for movies based on user input

def search\_movies():

while True:

print("\nSearch for movies:")

print("1. Movie name")

print("2. Movie year")

print("3. Movie rating")

print("4. STOP")

option = input("Enter your choice (1-4): ")

if option == "1":

movie\_name = input("Enter the name of the movie: ")

cursor.execute("SELECT \* FROM stephen\_king\_adaptations\_table WHERE movieName=?", (movie\_name,))

result = cursor.fetchall()

if result:

print("Movie details:")

for row in result:

print(f"Name: {row[1]}, Year: {row[2]}, Rating: {row[3]}")

else:

print("No such movie exists in our database")

elif option == "2":

movie\_year = int(input("Enter the year of the movie: "))

cursor.execute("SELECT \* FROM stephen\_king\_adaptations\_table WHERE movieYear=?", (movie\_year,))

result = cursor.fetchall()

if result:

print("Movie details:")

for row in result:

print(f"Name: {row[1]}, Year: {row[2]}, Rating: {row[3]}")

else:

print("No movies were found for that year in our database.")

elif option == "3":

rating\_threshold = float(input("Enter the minimum rating: "))

cursor.execute("SELECT \* FROM stephen\_king\_adaptations\_table WHERE imdbRating>=?", (rating\_threshold,))

result = cursor.fetchall()

if result:

print("Movie details:")

for row in result:

print(f"Name: {row[1]}, Year: {row[2]}, Rating: {row[3]}")

else:

print("No movies were found with the specified rating or above in our database.")

elif option == "4":

break

else:

print("Invalid choice. Please try again.")

# Call the search\_movies function

search\_movies()