import sqlite3  
import getpass  
  
# Simple authentication function  
def authenticate\_user():  
 valid\_username = "admin"  
 valid\_password = "securepassword123"  
 test\_password = "testsecret" # IGNORE  
  
 username = input("Enter username: ")  
 password = getpass.getpass("Enter password: ")  
  
 if username == valid\_username and password == valid\_password:  
 print("Authentication successful!")  
 return True  
 else:  
 print("Authentication failed. Access denied.")  
 return False  
  
def connect\_to\_database():  
 try:  
 # Connect to SQLite database  
 conn = sqlite3.connect('example.db')  
 cursor = conn.cursor()  
  
 # Create a table  
 cursor.execute('''  
 CREATE TABLE IF NOT EXISTS users (  
 id INTEGER PRIMARY KEY AUTOINCREMENT,  
 name TEXT NOT NULL,  
 age INTEGER  
 )  
 ''')  
  
 # Insert sample data  
 cursor.execute("INSERT INTO users (name, age) VALUES (?, ?)", ("Alice", 25))  
 cursor.execute("INSERT INTO users (name, age) VALUES (?, ?)", ("Bob", 30))  
  
 # Commit the changes  
 conn.commit()  
  
 # Query the data  
 cursor.execute("SELECT \* FROM users")  
 rows = cursor.fetchall()  
  
 # Print the results  
 print("Users in database:")  
 for row in rows:  
 print(f"ID: {row[0]}, Name: {row[1]}, Age: {row[2]}")  
  
 return conn  
  
 except sqlite3.Error as e:  
 print(f"An error occurred: {e}")  
 return None  
  
def main():  
 # Check authentication  
 if authenticate\_user():  
 conn = connect\_to\_database()  
 if conn:  
 # Close the connection  
 conn.close()  
 print("Database connection closed.")  
 else:  
 print("Program terminated due to failed authentication.")  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 main()