

main()

Input	Processing	Output
username password store_number	store_data auth_result	store_report

authenticate_user()

Input	Processing	Output
username password	hashed_password	auth_result

get_store_data()

Input	Processing	Output
store_number		store_data

generate_store_report()

Input	Processing	Output
store_data		store_report

This is a simple example of a program to view performance data for a chain of stores. Main() asks the user to log in and enter a store number. If the login is successful, get_store_data() is used to acquire the store's data from a database, then main() passes the data to generate_store_report() to generate a report. Main() then displays the report on the screen.