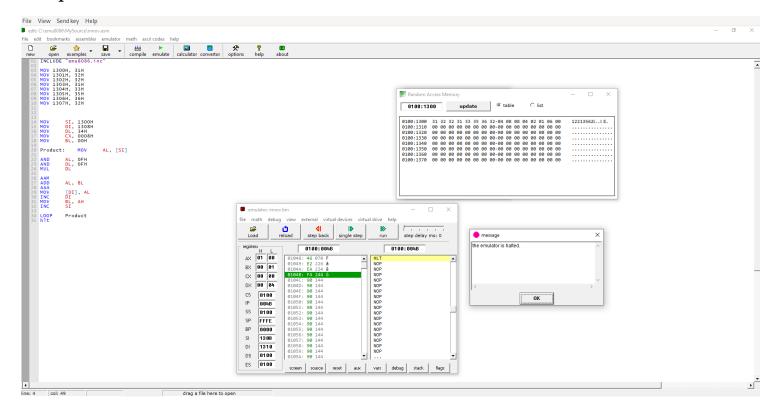
Output



Result

Successfully implemented the code on the simulator