Perform software security analysis to the giving code. Then perform the following functions and create a report.

1. Compile as per instruction given in the submitted document and verify that the program functions correctly.

2. Identify and list the kind of threads that are possible for the application and check whether you mitigation code has been incorporated in the program just provide YES/NO for the mitigation implementation.

3. Perform a source code walk through and identify the existence of any security flaws in the developed programs. Also, use one of the source analysing tools and see whether they can/cannot detect any flaws in the program and report them. For C and C++ programs you can use RATS or /and FLAWFINDER tools.

4. Perform penetration testing with the aim of breaking the application. Desirable successful tests when the application has failed for your input.

(Identify at most 5 outcomes for question 3 and 4. Also, attach screen shot for source code walkthrough and penetration testing)