

Write a C/C++ application (one single source code file) using OpenSSL library to:

1. Perform AES-ECB encryption of the SHA-256 messages as binary representation extracted from the file **Accounts.txt**. The AES key is stored by the file **pass.key** and it will be used as binary content of the AES key file.
2. Save each encrypted SHA-256 message into a text file called **SHA256\_Enc.txt** as hex representation where each line contains one single SHA-256 encrypted message for the corresponding line in **Accounts.txt**.