

This assignment is using Java Symmetric Encryption Cryptography.

NOTE: Java 8 Compiler must be used for building this code. If using Java 9 and above, you have to configure maven to pull in JAXB related jar files.

Maven is used to build code.

SymmetricEncryption is the class for encryption.

SymmetricEncryptionTest the class for JUNIT test cases.

All classes have comment on each method.

Steps to build and run

Unzip file, then on command line,

Type mvn clean package

Type java -cp target/encryption-0.0.1-SNAPSHOT.jar com.avail.encryption.SymmetricEncryption

Demo Below

```
yuewu@MyMacs-MBP encryption % java -cp target/encryption-0.0.1-SNAPSHOT.jar com.avail.encryption.SymmetricEncryption
Enter your phrase:
Phrase can not be longer than 7 words, only alphabets and separated space. No punctuations.
Type exit to quit the program

The dog jumped over the fence too
Encrypted pass 1 result [B@34340fab [B@2aafb23c [B@2b80d80f [B@3ab39c39 [B@2eee9593 [B@7907ec20 [B@546a03af
Encrypted pass 2 result [B@721e0f4f [B@28864e92 [B@6ea6d14e [B@6ad5c04e
Encrypted pass 3 result [B@6833ce2c [B@725bef66
Encrypted pass 4 result [B@2aaf7cc2

The dog jumped over the fence.
Phrase can not be longer than 7 words, only alphabets and separated space. No punctuations.
```