

## Local Area Networks

Submit 1 file only the encryption.java file on webcampus

Grading:

Grade	Work
0 (low F)	You submitted code that matches another students or submitted nothing.
65 (high F)	Submit anything other than a .java file.
80 (low B-)	Submit something too difficult to grade.
85 ( B )	You made some change to the code
92 ( A-)	You made an interesting unique change to the code
100 (high A)	You made an very interesting unique change to the code

Go to the class page and copy the code called encryption.java

Launch NetBeans (on university computer and can be downloaded for free on your laptop)

- Create a project called "encryption"
- Copy and paste this code in and run it a few times.
- Try to understand why the output does what it does

Assignment

- 1) Change my name to your name.
- 2) Alter the encryption algorithm (add a new method, alter an existing method etc.)
- 3) Write a method that will generate a public-private key combination for the user to use to match this encryption-decryption algorithm.
- 4) Check that if you use your public salt to encrypt a string, then decrypt using the matching private salt, you get to the original string