

CS161FZ Introduction to Computer Science

Lab Assignment 10

Decoding CS161FZ Secret

This is nearly the end of the semester. There are some secrets that I want to share with you all. The attached file contains the secret. Your task is to decode the secret and display the content of the secret on the screen. The decoding key is embedded in the header of the file. To decode the secret, you will need to use the 12-bit key XOR with the file contents on an every 12 bits basis.

The secret file has the following internal structure. You must learn the file structure first in order to decode the secret file. NOTE: on Moodle, the displayed file name is “**Secret.cs161.b64**”. However, when testing your program on Moodle, you must use the file name “**Secret.cs161**”. If you decided to test your program in Eclipse, you need to download the secret file from Moodle (the file listed with the lab description, it’s **NOT** the “**Secret.cs161.b64**” file.).

