CIS 3362 Homework #1 - Coding Intensive Group

Assigned: Monday, August 31, 2015 Due Date: Check Webcourses

Part I - Coding

Create tools that make the substitution cipher easier to break. At a very minimum, your tool should:

- (a) Calculate letter frequencies.
- (b) Calculate the occurrences of substrings (of length 2 or more) that appear multiple times in the cipher text.

You may add other features to your tool.

Create documentation so that the tool is easy to use for a student who has taken COP 3223. (It can be web based, or something that they can compile and run, or just an executable.)

Part II - Break One Code

Using your own tool, break the following ciphertext:

ntnxffnpxuqumnrftnxfzuxvjkxuanuyjqnvprnkwplnukejujtnxflwbvnj brfbzzulnobjbjqnzxbyjbzrfbzzulnpymwbbcpxbeympymzuympybdinljf besbewmoxpdjbkejpzuxnbejeymnxynpjqujfbesuwwzuymfbexkxuan