Cipher rules:

* Abcdefghijklmnopqrstuvwxyz have corresponding number values 1-26
* For example a = 1, b = 2, …. Z = 26
* ! symbol enciphers to $

The phrase “I love cryptography!” enciphers to 9 1215225 31825162015718116825$

Part 3:

A very large security breech occurred at Yahoo in August 2013 impacting 3 billion accounts. The account information of Yahoo users was acquired by a group of hackers. Yahoo proceeded to email all of the accounts affected by the breech. Even though the information of the user accounts was breeched sensitive information. Since the breech Yahoo has enforced password changes on active accounts and has invalidated old passwords that haven’t been accessed since 2013. Yahoo has stated they increased systems that prevent unauthorized access.