Part 2 - Cypher:

KEY = jotvsgdrkbhqyucamniwzepflx

Ciphertext alphabet = JOTVSGDRKBHQYUCAMNIWZEPFLX

K QCES TNLAWCQCDL = i love cryptology

Part 3 - Cybersecurity Research:

In 2015 Anthem Inc, the second largest US health insurance company announced that as many as 80 million customers had their account information stolen in a cyber attack. Names, birthdates, medical ID numbers, social security numbers, mailing addresses, email addresses, employment information.

The investigators said that it was likely ordered by a foreign government.

Investigators said that Anthem had good security measures that other companies of its size would have had. However they determined that the data breach began when a user within a subsidiary opened a phishing email containing malicious content.

Anthem had to pay a 16 million dollar fee to the department of health and human services.