Read the following articles:

·      <http://www.cbc.ca/news/technology/ransomware-europe-russia-ukraine-petya-bitcoin-1.4179683>

·      <http://www.cbc.ca/news/canada/toronto/oshawa-hospital-cyberattack-1.4114758>

·      <https://www.thestar.com/news/canada/2017/05/13/ontario-health-ministry-on-high-alert-amid-global-cyberattack.html>

1.    What is a ransomware attack?

* a.    It is a software that holds and locks up one's files and demands a ransom for its safe return

2.    How does ransomware work and what does it affect?

* a.    A ransomware will infect a computer by bypassing the computer’s security and obtaining all of the computer’s files. From here, the virus will encrypt the computer with an unbreakable password and the files will be returned when the correct password is entered. To get the password, one will have to give the hacker goods of their choice as a trade or ransom. This virus can steal all of one’s files from personal pictures to highly confidential files.

3.    How could you be affected by a ransomware attack?

* a.    One way you can be a victim of a ransomware attack is through emails. This process works by receiving a spam email that is contains a link. When one clicks on this link, they have downloaded a virus without realizing it. This virus will execute its task and hold your files as leverage.

4.    How can you protect yourself against a ransomware attack?

* a.    One way to prevent these attacks is by constantly keeping your computer up to date and updating it to the latest version. This will ensure that you will know if something will infect your computer as the software will check everything that enters your laptop to decrease loopholes.

**Canadian Attacks (Present Day)**

1.    **Google “ransomware attack Canada 2019” and research an attack that occurred in the past two months.**

**a.    Summarize the attack in a paragraph that describes: who, what, where, when.**

* A ransomware attack happened in Nunavut Canada. On November 1st 2019 at approximately 4:00 a.m the attack took place on the government networks. This resulted in many files and documents being encrypted. The attack was triggered when an employee clicked the link of a malicious email or web advertisement.The ransomware was in the form of a Dopplepaymer and the Nanavut’s security team was not trained to detect it. Users attempting to access files would be confronted with a ransomware note. The government informed the public that their personal information is not at threat and also in about a week the files will be restored.