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>

Guidelines for writing a supported opinion paragraph (SOP)

* + <http://schools.peelschools.org/sec/fletchersmeadow/studentlife/OSSLTprep/Documents/Sample_%20Writing%20a%20Supported%20opinion%20paragraph.pdf>

**Level 1: Ransomware Basics**

1. What is a ransomware attack? Ransomware is a type of malicious software designed to block access to a computer systemor computer files until a sum of money is paid. Most ransomeware variants encrypt the files on the affected computer, making them inaccessible, and demand a ransom payment with Bitcoin.
2. How does ransomware work and what does it affect?

Generic ransomware is rarely individually targeted, but targets a lot of people where attackers acquire lists of emails or compromised websites and blast out ransomware. With so many attacks out there, it will be likely that the attackers will get multiple hits. Whether or not the ransom is paid, keep in mind that attackers will always try extracting useful data from a compromised machine. take all important data on the machine was compromised, which could include passwords for internal or web resources, payment information, email addresses of contact.

**Level 2: Canada & Other Countries**

1. What was affected in Canada in the articles above?

In the articles above it shows how Canada was effected. One way the ransomware got it to Canada was by the Lakeridge health hospital in Oshawa . he ransomware threatened the hospital computer system, but a spokesman said the facility's system was able to deflect the attack. The hospital software contained the ransomware and luckily no patients were affected

1. How badly was Canada affected?

According to a cyber security expert Canada has been affected. Number of organization and individuals have been hit in the last year. So far the government hasn't released any information about who and why there doing this.

1. What other countries were affected?

The virus infect many countries here are some major countries that the ransomware attacked Russia computers which has been hit the most than any other country, German railways, China universities, South Korea cinema, Japan companies, Indonesia hospital, India state police, UK hospitals, USA FedEx, Canada hospitals. many other countries have been affected with ransomware too.

**Level 3: Canada & Other Countries**

1. Where did the attack come from?

The converse of ransomware is a cryptovirology attack invented by Adam L.Young that threatens to publish stolen information from the victim's computer system.

1. Why was the attack started?

The reason the ramsomware attack was started because it's main goal was to get into other computers and by doing this the people would have to pay the attackers or if they did not pay the attackers then the attackers would just take all the information in the computer.

1. How was the attacked stopped?

The most important thing that organizations can do is make sure that they regularly and consistently back, but filter out potentially malicious websites and emails. If a ransomware attack is successful, they will at least have their important data accessible elsewhere. Organizations can also deploy an anti-ransomware technology in order to prevent the execution of ransomware, either as a standalone tool or incorporated into the organizational anti-malware platform. Cybereason offers Ransomfree, a free tool to protect PCs and servers from ransomware attacks.

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

Anyone can be affected by the ransomware attack. It could enter your computer by just clicking a website add or even with your email if you click the link that the email sends you, you will be attacked by the ransomware.

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

There are many ways to protect yourself from the ransomware. Some ways are to keep your system up to date, backup your important data, Do not provide any personal information when answering a email and try not to use public wifi because it will become super easy to get into your phone. These are ways to protect yourself against the ramsomware