My presentation topic is Ransomware.

What is the Ransomware

It is a compound word/ that combines ransom / which means payment of body / and ware of software/

Ransomware is a type /of malicious(멀리셔스)software / that blocks access to/ the victim's data or threatens(쓰레튼) /to publish or delete it /until a ransom is paid

(/History of Ransomware/)

The early Ransomware was first seen in Russia in 2005(two thousand five~), and it was a simple form that would compress files of certain types and set a password then victim has to pay $300(three hundred dollars) to restore the files.

But with the emergence(이멀전스) of Bitcoin and Crypto Lockers, //Ransomware is becoming widely known.

The bitcoin is the currency in which the transaction details are tracked according to the method of writing but the information of the trader is unknown

When used for such crimes, tracing is very difficult.

Crypto Locker is a kind of Ransomware that occurred in 2013, and it is the beginning of the current form of Ransomware that requires all files in the computer and files on the network drive to be encrypted with RSA and AES keys and to pay for the decryption key.

With these appearances, hackers can easily make money with relatively secure

and almost impossible decryption without keys.

Over time, there have been many advanced transformations, such as Crypto Locker .F, Torrent Rocker, Crypto Wall, and WanaCry. Ransomware has become even more powerful and dangerous.

Here is the latest video of the operation of WanaCry Ransomware in May 2017.

If the infected file accesses my computer after checking the Ransomware infected site or infected mail, the encryption starts.

In a little while, the extension of the file changes and a window asking for money is displayed.

All the files are encrypted, so even if you open a file that was originally a text file, it will be encrypted and you will see that all of the text is encrypted.

What are the ways to prevent Ransomware?

none.(난) Only a thorough(쏘로우) backup is the best solution but there is no way to completely block Ransomware.

also It is a good way to minimize the vulnerability that Ransomware can attack by always performing the latest OS updates.