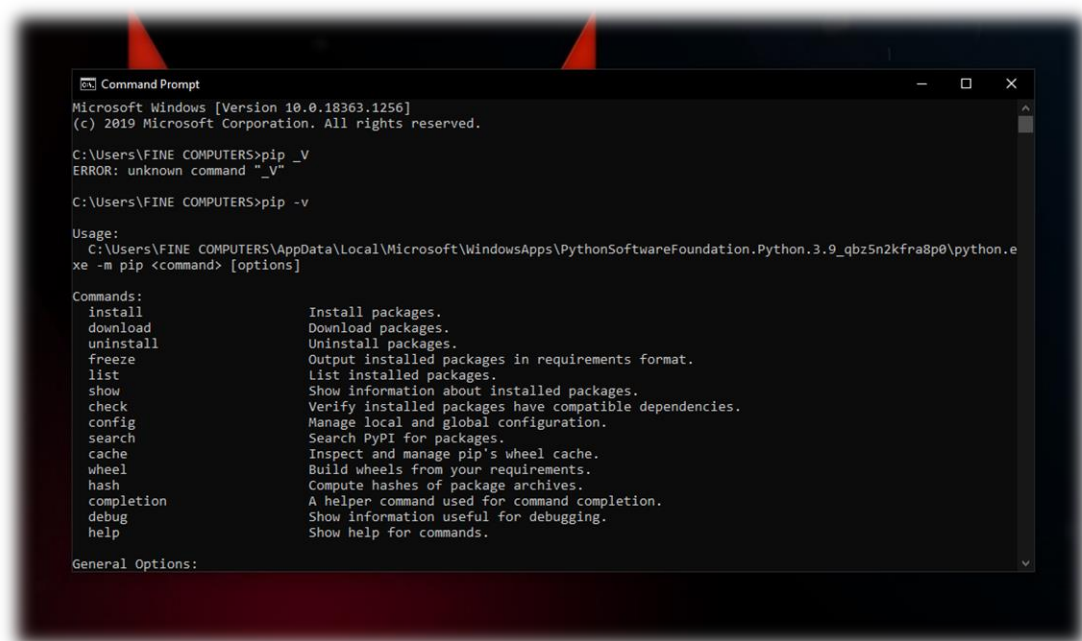


Process:

Install python:

At first we installed python in the system and called all the tasks to be performed by it.



```
Command Prompt
Microsoft Windows [Version 10.0.18363.1256]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\FINE COMPUTERS>pip _V
ERROR: unknown command "_V"

C:\Users\FINE COMPUTERS>pip -v

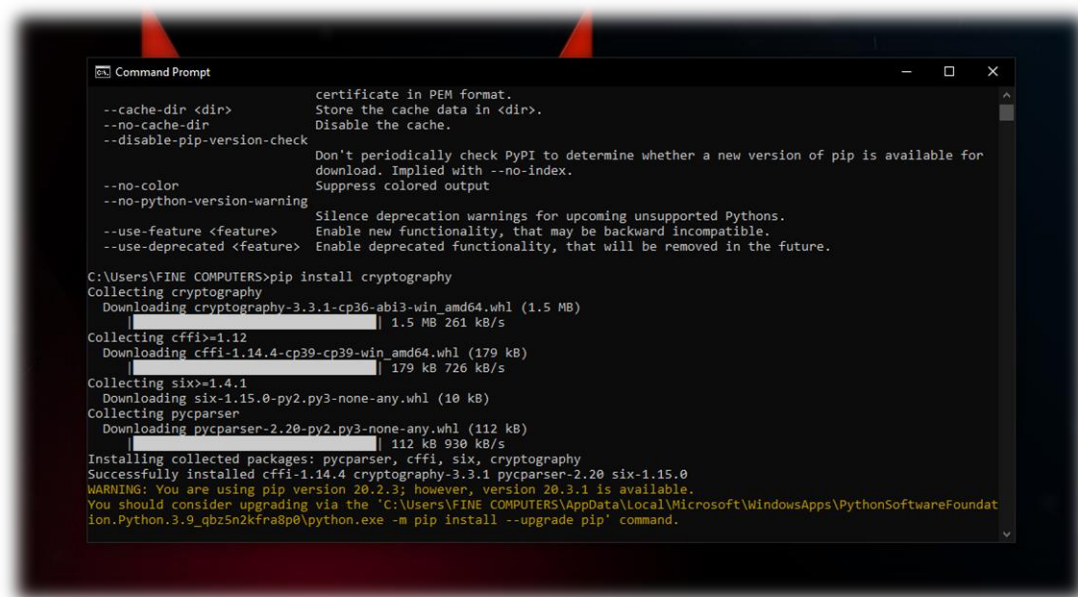
Usage:
  C:\Users\FINE COMPUTERS\AppData\Local\Microsoft\WindowsApps\PythonSoftwareFoundation.Python.3.9_qbz5n2kfra8p0\python.exe -m pip <command> [options]

Commands:
  install          Install packages.
  download         Download packages.
  uninstall        Uninstall packages.
  freeze           Output installed packages in requirements format.
  list             List installed packages.
  show             Show information about installed packages.
  check            Verify installed packages have compatible dependencies.
  config           Manage local and global configuration.
  search           Search PyPI for packages.
  cache            Inspect and manage pip's wheel cache.
  wheel            Build wheels from your requirements.
  hash             Compute hashes of package archives.
  completion       A helper command used for command completion.
  debug            Show information useful for debugging.
  help             Show help for commands.

General Options:
```

Install cryptography:

Then we installed cryptography library in it and run all of the remaining tasks in it.



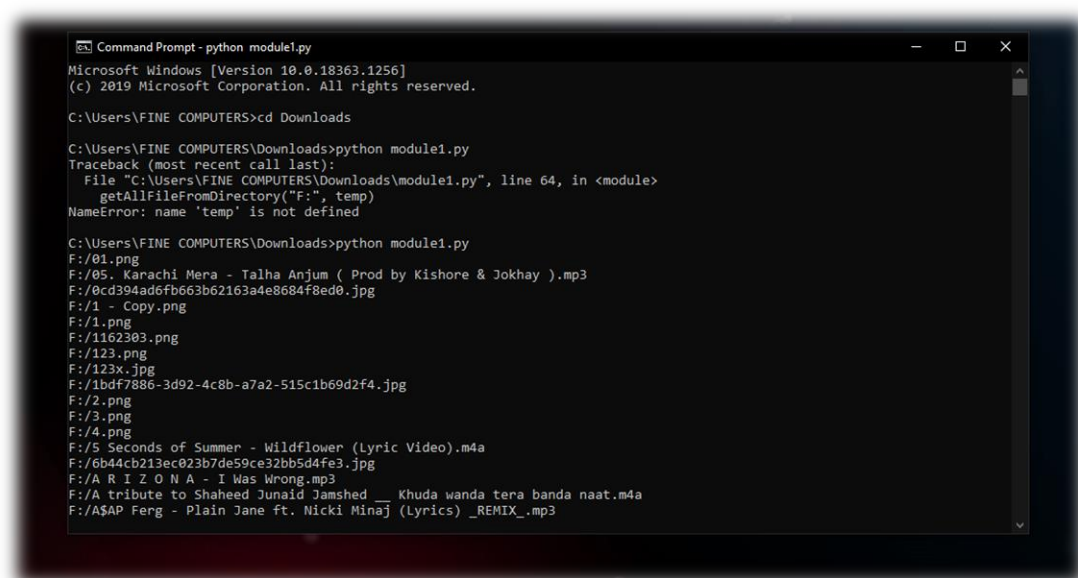
```
Command Prompt

--cache-dir <dir>          Store the cache data in <dir>.
--no-cache-dir             Disable the cache.
--disable-pip-version-check Don't periodically check PyPI to determine whether a new version of pip is available for
                           download. Implied with --no-index.
--no-color                 Suppress colored output
--no-python-version-warning Silence deprecation warnings for upcoming unsupported Python versions.
--use-feature <feature>    Enable new functionality, that may be backward incompatible.
--use-deprecated <feature> Enable deprecated functionality, that will be removed in the future.

C:\Users\FINE COMPUTERS>pip install cryptography
Collecting cryptography
  Downloading cryptography-3.3.1-cp36-abi3-win_amd64.whl (1.5 MB)
    | 1.5 MB 261 kB/s
Collecting cffi>=1.12
  Downloading cffi-1.14.4-cp39-cp39-win_amd64.whl (179 kB)
    | 179 kB 726 kB/s
Collecting six>=1.4.1
  Downloading six-1.15.0-py2.py3-none-any.whl (10 kB)
Collecting pycparser
  Downloading pycparser-2.20-py2.py3-none-any.whl (112 kB)
    | 112 kB 930 kB/s
Installing collected packages: pycparser, cffi, six, cryptography
Successfully installed cffi-1.14.4 cryptography-3.3.1 pycparser-2.20 six-1.15.0
WARNING: You are using pip version 20.2.3; however, version 20.3.1 is available.
You should consider upgrading via the 'C:\Users\FINE COMPUTERS\AppData\Local\Microsoft\WindowsApps\PythonSoftwareFoundat
ion\Python.3.9_qbz5n2kfra8p0\python.exe -m pip install --upgrade pip' command.
```

Encryption:

Then we started and run the ransomware code and it started encrypting the files whose path we have provided in it. As we faced an issue during our last test that one of our group members' whole system's files got encrypted because of a mistake so this time we only decided to attack a USB drive to decrease risks of data loss.



```
Command Prompt - python module1.py

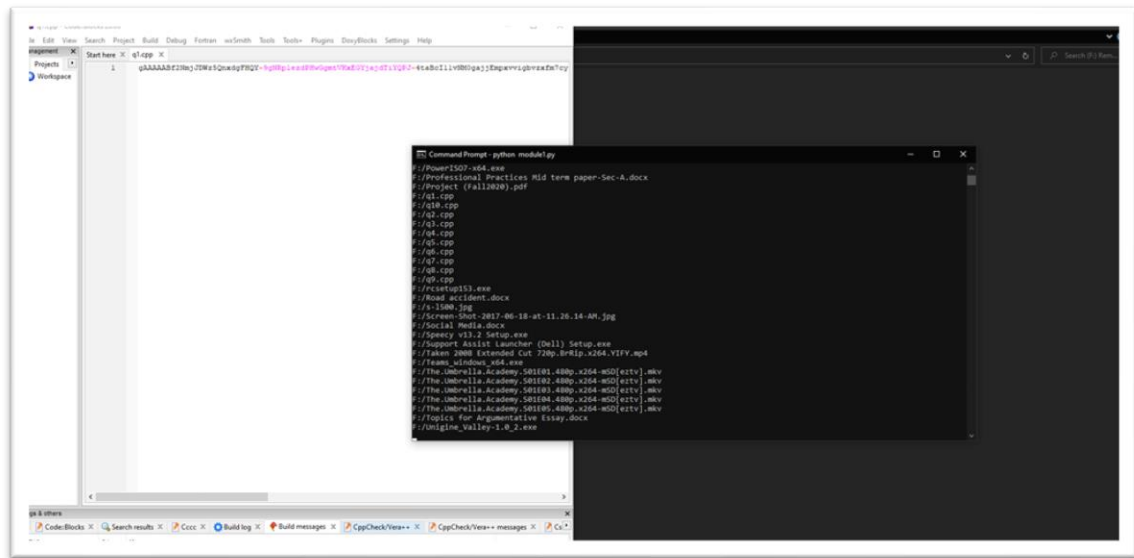
Microsoft Windows [Version 10.0.18363.1256]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\FINE COMPUTERS>cd Downloads

C:\Users\FINE COMPUTERS\Downloads>python module1.py
Traceback (most recent call last):
  File "C:\Users\FINE COMPUTERS\Downloads\module1.py", line 64, in <module>
    getAllFileFromDirectory("F:", temp)
NameError: name 'temp' is not defined

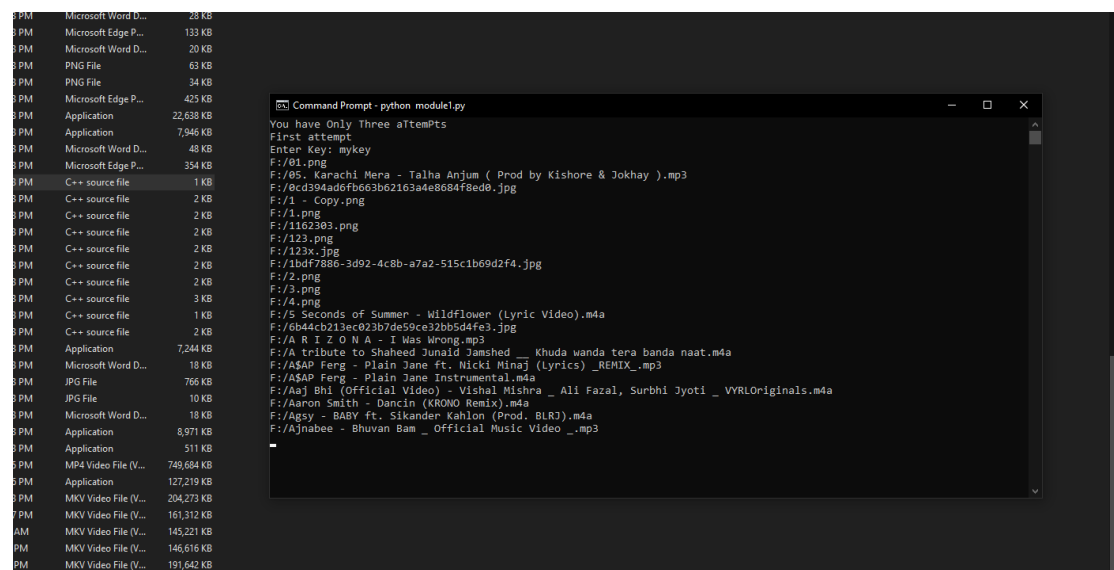
C:\Users\FINE COMPUTERS\Downloads>python module1.py
F:/01.png
F:/05. Karachi Mera - Talha Anjum ( Prod by Kishore & Jokhay ).mp3
F:/0cd394ad6fb663b62163a4e8684f8ed0.jpg
F:/1 - Copy.png
F:/1.png
F:/1162303.png
F:/123.png
F:/123x.jpg
F:/1bdF7886-3d92-4c8b-a7a2-515c1b69d2f4.jpg
F:/2.png
F:/3.png
F:/4.png
F:/5 Seconds of Summer - Wildflower (Lyric Video).m4a
F:/6b44cb213ce023b7de59ce32bb5d4fe3.jpg
F:/A R I Z O N A - I Was Wrong.mp3
F:/A tribute to Shaheed Junaid Jamshed _ Khuda wanda tera banda naat.m4a
F:/A$AP Ferg - Plain Jane ft. Nicki Minaj (Lyrics) _REMIX_.mp3
```

Following picture shows the encrypted file during the process of encryption.



Decryption:

Files during decryption.



Here is the picture of the file content after the file is decrypted at the end.

