VAC CFA/IFA

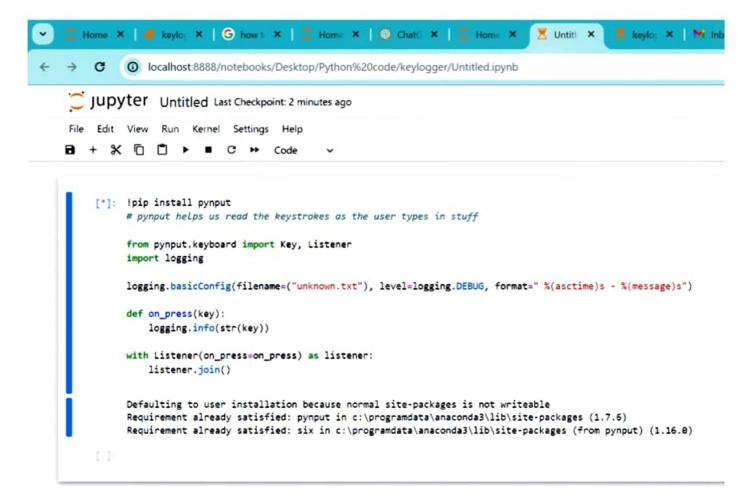
PRACTICAL-01

	Expt. No. 1	Page No
	Practical -1	
	dim: Implementation of keylogger functionali	ly using Python.
	Software Used: Python (with pynput liborary)	
	Theory: Keylogging is the process of viecordin keyboard, typically in a covert mann the keyboard is unaware that their actions	g the keys struck on a
	the keyboard is unaware that their actions	are being monitored.
	Pynput library: The pynput debrary in Python control input devices. It provid	allows us to monitor and
	Symput library: The pyriput diborary in Python control input devices. It provid viccord keystrokes, mause events, and control	the keyboard and mouse.
	Steps:	
1.	Install the pupper library using pip.	
2	. Import the necessary modules from pynput	
	Set up logging to record keystrokes into a	
4	Define a Junction to handle the keypress e pressed.	vent and log the key
5.	Create a Listener instance to monitor key p	resses and bind the defined
	function to it.	
5	Start listening for key presses.	
1.	Start listening for key presses. The program will continuously sucord keysts	ookes until it is terminated.
	Explaination	
1.	!pip install pyriput: This command installs the	re pyriput library using pip.
	Teache	er's Signature :

Executed in the system environment, pip is a package manager for Python, and install is the command used to " the Pt		
symput is the name of the package being installed, which is a library for controlling and input desires such as the		
library for controlling and input devices such as keyboard & mouse.		
2. from pyriput-keyboard import key lichen This is a keyboard & mouse		
I summe import specific		
from the pynput keyboard module. The key class represents individual keys on the keyboard, and the listener class is used to listen for and handle keyboard events.		
individual keys on the land and		
to listen for and hand to have he listener class is used		
Thate keyboard everds.		
3. import logging: This As a second		
3. import logging: This line imports the built-in-logging module, which provides a flexible framework for emitting log messages 4. Inagina basis (2) 1. (1)		
from luthon programs a plauble framework for emitting log messages		
4. logging basic Couling & Cilones of 1916		
(artime) = . ((martine) ("New Togother"), level = logging. DEBUG, format = 1.		
4. logging basic Config (filename = ('keylog.txt"), level = logging. DEBUG, format=>. (aschime)s (message)s"): This command configures the logging system. It sets up basic configuration lands		
Specifies parameters such as the filenance where loss have		
A grand that do the		
1 which includes the timestamp of the		
The state of the s		
5. det on press (key): This line defines a function named on press that takes a single argument key. This function will be called whenever a key is pressed.		
single argument key. This function will be called whenever		
a key is pressed.		
6. logging info(str (key)): Moide the on press function this line logs the		
pressed key by converting it to a String (str (key))		
and then logging it at the INFO level,		
6. logging info(str(key)): Inside the on press function this line logs the pressed key by converting it to a string (str(key) and then logging it at the INFO level, 7. with Listener (on press = on press) as listener: This line creates a		
Listener object with the		
Teacher's Signature :		
,		

Expt. No. 1	Page No. 3
events. The with Sta with the listener are listener is no long 8. listener join (): This mor	the callback function for handling keypress ternent ensures that the resources associated a properly managed and released when the er needed. Line stants the listener, causing it to begin nitoring the keyboard for keypress events. The we to listen for keypress until it is terminated
Each command in the setting up and using Result:	ne code Serves a Specific purpose in the pynput library to log keystrokes. nning succesfully and storing the sucord of
**	Teacher's Signature :

Code



Output

