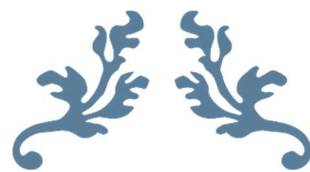


OBJECT ORIENTED ANALYSIS & DESIGN (B.TECH VI SEMESTER)



KEYLOGGER

C++ PROJECT



UNDER THE GUIDANCE OF: **DR. NAMITA MITTAL**

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INTRODUCTION

A keylogger is a software program that records the keyboard keys the user presses, typically covertly, so that the user is unaware that his actions are being monitored. The recorded data can then be retrieved by the programmer.

Keyloggers are used in IT organizations to troubleshoot technical problems with computers and business networks. Keyloggers can also be used by a family (or business) to monitor the network usage of people without their direct knowledge. Finally, malicious individuals may use keyloggers on public computers to steal passwords or credit card information.

TECHNICAL SPECS

Technical Specifications:

1. Programming Language : **C++** (CPP)
2. Platform : **Windows**
3. Program Type : **Stealth Mode** (Background Process)

HOW DOES A KEYLOGGER GET ON A COMPUTER?

Keyloggers on most computers arrive as Malware through e-mail or drive links. If your computer gets compromised, the malware may have a keylogger or a function that downloads and runs the Keylogger on the victim's system. It could also be installed by someone who has access to your personal computer. They are a popular form of malware, which are used by criminals to steal sensitive data of the user.

This is the reason why you should always be sure of the sources you're downloading files from.

FUNCTION OF A KEYLOGGER

Keyloggers often run in the background in stealth mode, hence undetectable from the user, making notes of each keystroke entered by the user. The keystrokes are saved on a text file, which can be sent to the attacker at regular intervals, thus compromising the victim's privacy.

At times, keyloggers are combined with a screenshot program, hence someone can read through the history of what has been typed along with the screenshots, to deduce the actions performed by the user.

HOW TO DETECT AND REMOVE A KEYLOGGER?

Keylogger is essentially any type of malware. It can be avoided in the same way as that of any other malware. Prevention should be taken before downloading or running, any software from unknown sources.

The prevention methods could be as follows:

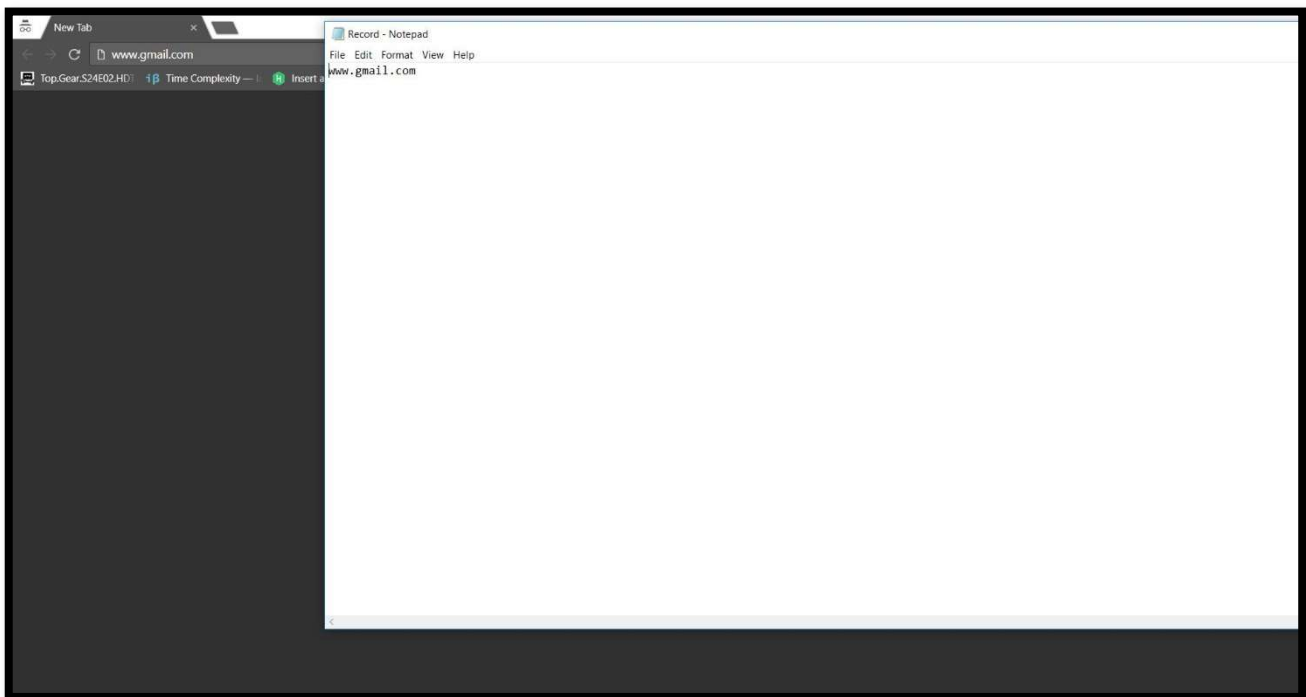
➤ **Detection Software**

- Anti-Keyloggers: A piece of software specially designed to detect keyloggers. This is done, by comparing all the files in the computer to a Database of Keyloggers.

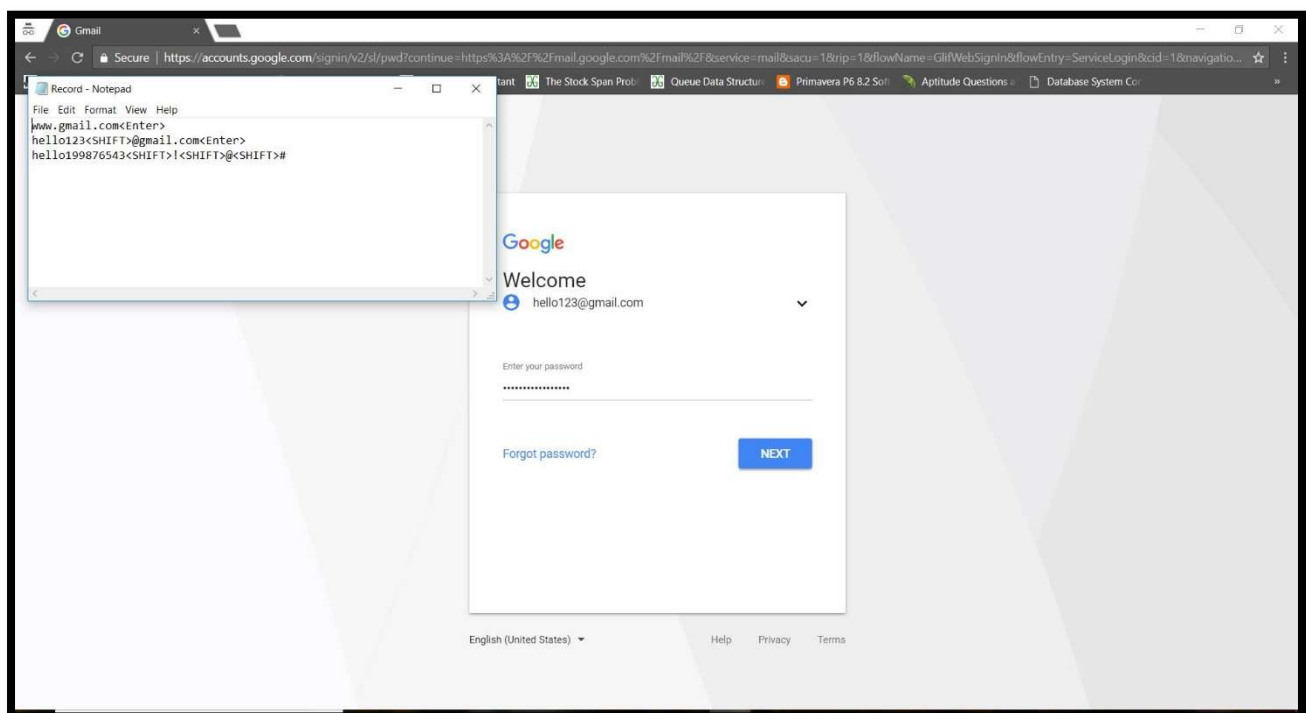
Top anti-keyloggers include: Zemana AntiLogger, Ghostpress, etc.

- Be careful where you go on the Internet. Files downloaded, by clicking on advertisements should be immediately deleted.
- Anti-Virus and anti-spyware software provided by reputed brands, is the simplest way to detect a Keylogger or any other malware.
- Consider, operating a virtual machine environment to browse the internet.

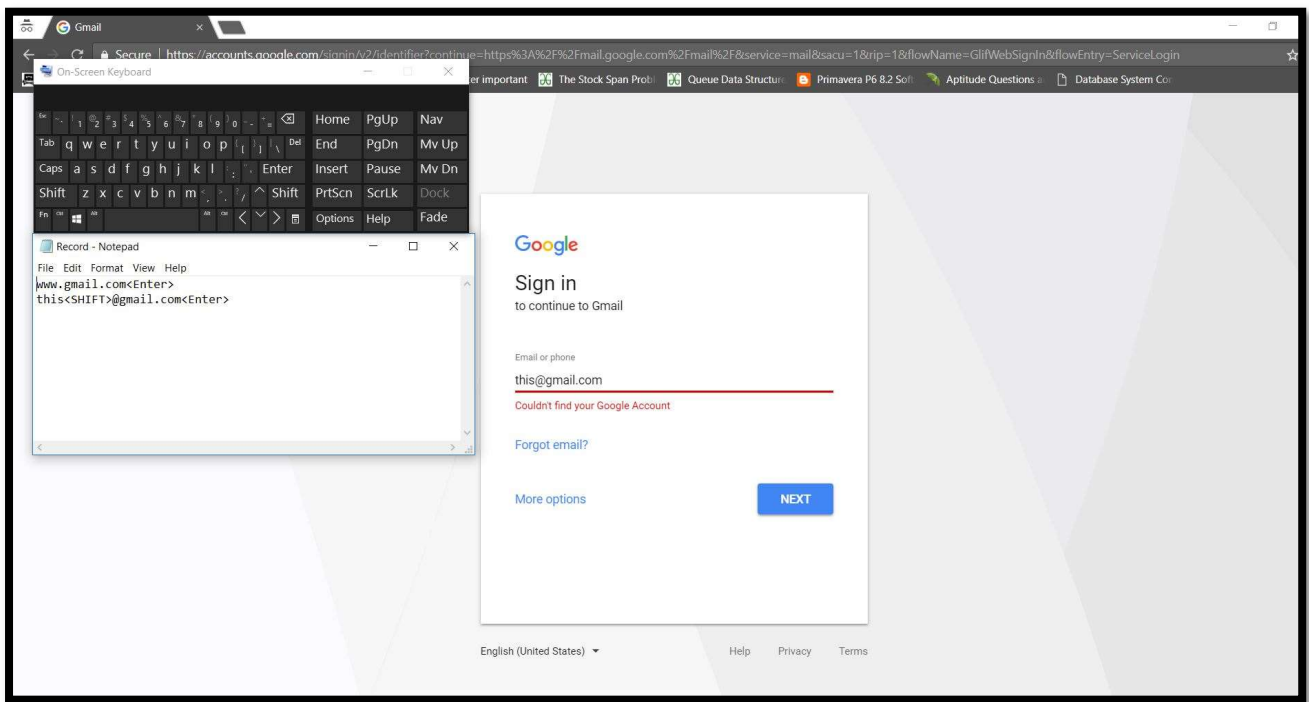
DEMONSTRATION



The above figure has keylogger running in the background. It stores the typed text “www.gmail.com” in a text file named “Record.txt”.



The above image is a prime example of how a keylogger can be used to get passwords and other sensitive data of the user without user’s knowledge.



The above image depicts that the keylogger can keep track of keystrokes generated via windows virtual keyboard as well.

BIBLIOGRAPHY

1. Wikipedia
2. SecureList
3. LifeWire
4. Search Security/ Tech Target
5. Keyloggers (www.keyloggers.com)
6. Securing Tomorrow
7. Wiki How
8. Vera Code