

# Batch: *A-4* Roll No.: *16010422211* Experiment No.: 01

**Aim:** Study of Cyber security attack.



**Resources needed:**



# Theory:

# (Students need to write the comntent here)

***NAME OF THE ATTACK****:   ADWARE IN CYBER SECURITY*

***WHAT IS THIS PARTICULAR ATTACK****:*   
 *Adware, which stands for "advertising-supported software,” is a sort of malware that shows unwanted advertisements on a user's device. It is frequently included with legitimate software and can generate cash for its   creators by displaying advertisements or referring users to websites.*

***HOW CAN THIS ATTACK BE DONE****:*

*Adware is frequently installed with legitimate software. Adware is installed without the user's awareness*

*when the desired software is installed. It then displays advertisements in a variety of formats,*

*such as pop-ups, banners, or browser redirects.*

***ADWARE ATTACK TYPES INCLUDES****: 1.Browser hijackers change browser settings*

*and reroute visitors to malicious websites.*

*2. Popup Adware: Displays invasive*

*and frequent pop-up advertising.*

*3. Spyware: Gathers user data and surfing*

*behaviors in order to personalize advertisements.*

*4. Forced Downloads: Download automatically.*

***CASE STUDIES****:*

1. *Superfish Adware: Lenovo laptops came pre-installed with Superfish adware, which displayed targeted ads by intercepting users' internet traffic. This exposed users to potential security vulnerabilities.*
2. *Genieo Malware: Genieo, disguised as a useful app, would collect browsing data to deliver personalized ads, causing privacy concerns.*

***PREVENTION****:*

*Maintain Vigilance: Exercise caution while obtaining*

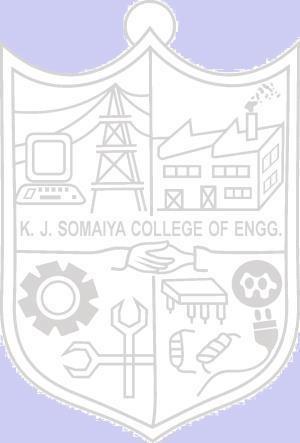
*and installing software from unknown sources. Read Permissions: Take note of the permissions*

*that are sought during software installation. Use Security Software: To detect and remove adware, use*

*reputable antivirus and anti-malware products. Updates on a regular basis: Keep your operating system*

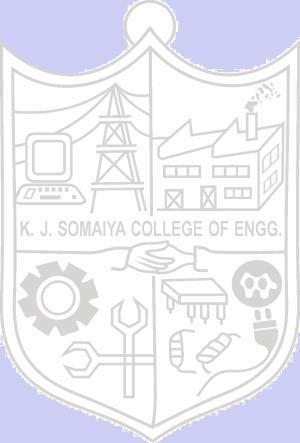
*and software up to date in order to patch vulnerabilities.*

*Ad-blockers: Use browser extensions or plugins to stop annoying advertisements. Educate Users: To avoid mistakenly installing adware, teach users.*





**Procedure:give the steps which you have followed .**





**Results: (Document printout/handwritten)**

.



# Outcomes:



**Conclusion:**

**References:(students need to write the refernces they have used)**

1. Nina Godbole, Sunit Belapure Cyber Security-Understanding “CyberCrimes,ComputerForensics

and Legal Prespectives”, Wiley- India 1st Edition, 2011

2. N S Nappinai Technology Laws Decodded, LexisNexis 1st Edition, 2017

3. Nandan Kamath Laws relating toComputers, Internet and E- Commerce Universal Law Pub. Co.,

2000 5th Edition 2012