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Roll no:241901023

Name: C.Dhanalakshmi

Department: CSE-Cyber Security

BUILDING ANONYMOUS FTP SCANNER USING FTPLIB MODULE

AIM:

Check if an FTP server allows anonymous logic and get its welcome message and file list.

ALGORITHM:

- 1.Try to connect the FTP server.
- 2.Read the server's welcome message(banner).
- 3.Try to log in using username:anonymous and password:anonymous
- 4.If login is successful , anonymous login is allowed.
- 5.Optionally, list files in the root directory.
- 6.If login fails or connection fails, report failure.

PROGRAM:

```
import ftplib

def anonymousLogin(hostname):

    try:
        ftp = ftplib.FTP(hostname)
        response = ftp.login('anonymous', 'anonymous')
        print(response)
```

```

if "230 Anonymous access granted" in response:
    print('\n[*] ' + str(hostname) +' FTP Anonymous Login
Succeeded.')
    print(ftp.getwelcome())
    ftp.dir()
except Exception as e:
    print(str(e))
    print('\n[-] ' + str(hostname) +' FTP Anonymous Login Failed.')
hostname = 'ftp.be.debian.org'
anonymousLogin(hostname)

```

OUTPUT:

```

Microsoft Windows [Version 10.0.26100.1457]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user>cd C:\Users\user\OneDrive\Documents

C:\Users\user\OneDrive\Documents>python anonymous.py 172.16.10.126
230-Welcome to mirror.as35701.net.

The server is located in Brussels, Belgium.

Server connected with gigabit ethernet to the internet.

The server maintains software archive accessible via ftp, http, https and rsync.

ftp.be.debian.org is an alias for this host, but https will not work with that
alias. If you want to use https use mirror.as35701.net.

Contact: mirror-admin at as35701.net

230 Anonymous access granted, restrictions apply

[*] ftp.be.debian.org FTP Anonymous Login Succeeded.
220 ProFTPD Server (mirror.as35701.net) [::ffff:195.234.45.114]
drwxr-xr-x 9 ftp      ftp        4096 Oct  6 08:38 debian
drwxr-xr-x 5 ftp      ftp        105 Sep  7 06:58 debian-cd
drwxr-xr-x 7 ftp      ftp        4096 Oct  5 12:31 debian-security
drwxr-xr-x 5 ftp      ftp        4096 Oct 13  2006 ftp.irc.org
-rw-r--r-- 1 ftp      ftp        717 Apr 15 08:10 HEADER.html
drwxr-xr-x 5 ftp      ftp        4096 Oct  6 07:25 mint
drwxr-xr-x 5 ftp      ftp        49 May 16 11:49 mint-iso
lrwxrwxrwx 1 ftp      ftp        33 Apr 29 2021 pub -> /var/www/html/www.kernel.org/pub/
drwxr-xr-x 7 ftp      ftp        4096 Oct  6 04:44 ubuntu
drwxr-xr-x 39 ftp     ftp        4096 Oct  6 07:24 ubuntu-cdimage
drwxr-xr-x 32 ftp     ftp        4096 Oct  6 07:30 ubuntu-cloudimages
drwxr-xr-x 7 ftp      ftp        4096 Oct  6 05:28 ubuntu-ports
drwxr-xr-x 16 ftp     ftp        4096 Oct  6 01:24 ubuntu-releases
drwxr-xr-x 25 ftp     ftp        303 Oct  6 07:02 video.fosdem.org
-rw-r--r-- 1 ftp      ftp        390 Jul  9 2021 welcome.msg
drwxr-xr-x 4 ftp      ftp        4096 Jun 14 2023 www.kernel.org

```

RESULT:

1.Success

- Connected and logged in anonymously
- See welcome message
- See file list (if requested)

2.Failure

- Connected but anonymous login denied
- No file list