

EX.NO:8

ANONYMOUS

AIM:

Test whether an FTP server allows anonymous login and, if successful, print the server welcome message and a directory listing.

ALGORITHM:

1. Connect to the FTP server.
2. Attempt login using username “anonymous” and password “anonymous”.
3. Examine the server response code (successfully login response start with 230).
4. If login succeeds: print success message, server welcome, and directory listing.
5. If login fails or any error occurs: print the error and a failure message.
6. Cleanly close the connection.

CODE:

```
import ftplib

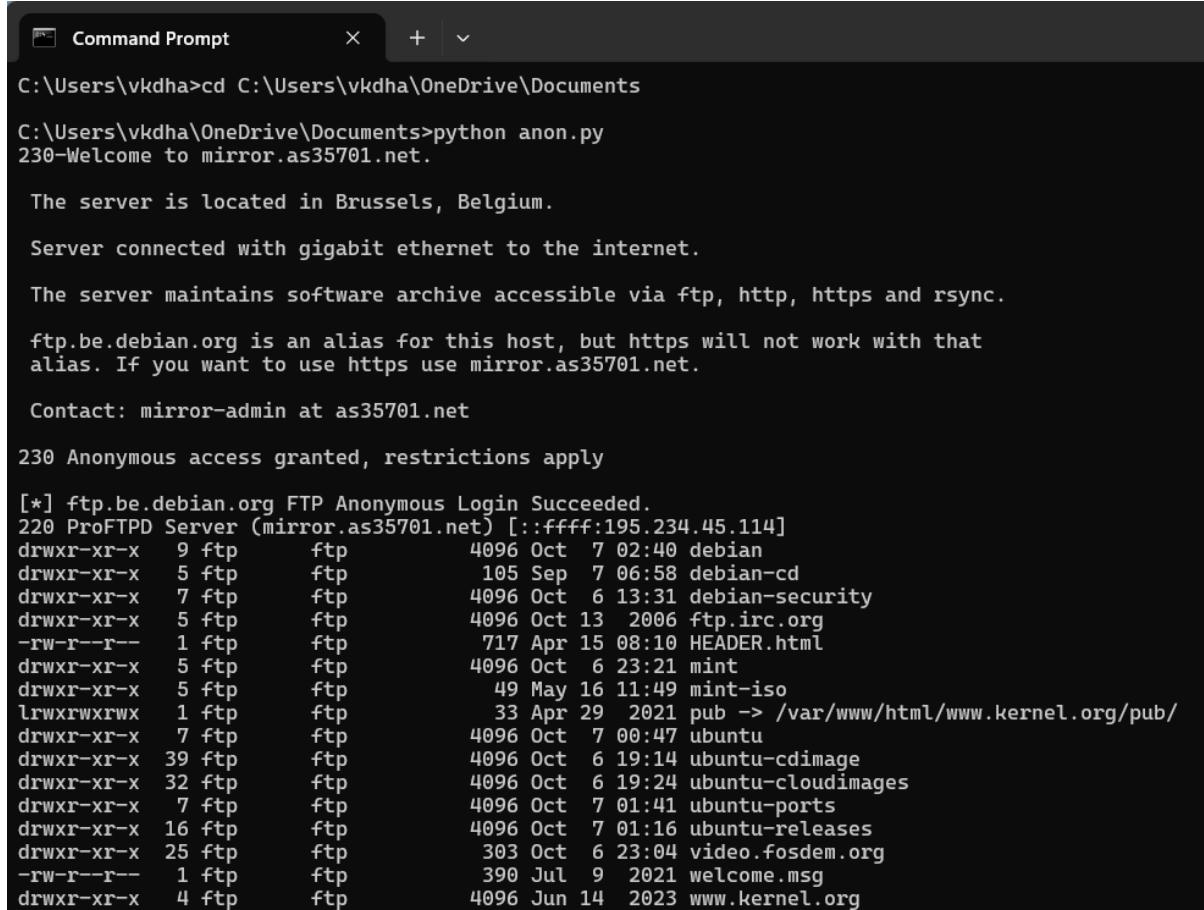
def anonymousLogin(hostname):
    try:
        ftp = ftplib.FTP(hostname)
        response = ftp.login('anonymous', 'anonymous')
        print(response)
        if "230 Anonymous access granted" in response:
            print('\n[*] ' + str(hostname) + ' FTP Anonymous Login Succeeded.')
            print(ftp.getwelcome())
            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:



The screenshot shows a Windows Command Prompt window titled "Command Prompt". The command entered was "python anon.py". The output indicates a successful connection to "mirror.as35701.net" in Brussels, Belgium, via gigabit ethernet. It mentions that the server maintains software archive accessible via ftp, http, https, and rsync. It notes that ftp.be.debian.org is an alias for this host, but https will not work with that alias. It provides contact information and a message about anonymous access granted. The final part of the output is a directory listing for the root directory, showing files like HEADER.html, mint, mint-iso, and various Ubuntu releases.

```

C:\Users\vkdhha>cd C:\Users\vkdhha\OneDrive\Documents
C:\Users\vkdhha\OneDrive\Documents>python anon.py
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  7 02:40 debian
drwxr-xr-x 5 ftp      ftp          105 Sep  7 06:58 debian-cd
drwxr-xr-x 7 ftp      ftp          4096 Oct  6 13:31 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 23:21 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  7 00:47 ubuntu
drwxr-xr-x 39 ftp     ftp          4096 Oct  6 19:14 ubuntu-cdimage
drwxr-xr-x 32 ftp     ftp          4096 Oct  6 19:24 ubuntu-cloudimages
drwxr-xr-x 7 ftp      ftp          4096 Oct  7 01:41 ubuntu-ports
drwxr-xr-x 16 ftp     ftp          4096 Oct  7 01:16 ubuntu-releases
drwxr-xr-x 25 ftp     ftp          303 Oct  6 23:04 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:

Anonymous FTP login to ftp.be.debian.org succeeded, showing server welcome and directory listing. Major folders include debian, ubuntu, mint and other accessible via FTP.

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