

EX No: 8

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ANONYMOUS FTP

AIM:

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

ALGORITHM:

1. Accept the target hostname.
2. Create an ftplib.FTP connection to the host.
3. Attempt to login using the credentials user='anonymous' and passwd='anonymous';
4. If login response indicates success (230 Anonymous access granted):
 - o Print success message, the server welcome text, and call ftp.dir() to list the directory.
5. If any exception occurs or login fails, print the error and a failure message.
6. Close/exit when done (implicit on program end).

CODE:

```
import ftplib

def anonymousLogin(hostname):
    try:
        ftp = ftplib.FTP(hostname)
        response = ftp.login('anonymous', 'anonymous')
    except Exception as e:
        print(f"An error occurred: {e}")
    else:
        print(f"Success message: {response}")
        print(ftp.getwelcome())
        print("Listing directory contents:")
        print(ftp.dir())
```

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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)

```

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[*] ftp.be.debian.org FTP Anonymous Login Succeeded.
220 ProFTPD Server (mirror.as35701.net) [2a05:7300:0:100:195:234:45:114]
drwxr-xr-x  9 ftp      ftp          4096 Oct  6 02:46 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 03:55 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 04:55 ubuntu-cdimage
drwxr-xr-x 32 ftp      ftp          4096 Oct  5 19:18 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:

On success: prints the FTP server response (e.g. 230 Anonymous access granted),
a success

notice like

[*] ftp.be.debian.org FTP Anonymous Login Succeeded., the welcome/banner, and
the

server directory listing.

- ▀ On failure (or exception): prints the exception text and a failure notice like[-]
ftp.be.debian.org FTP Anonymous Login Failed.