

Ex No: 6
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BUILDING ANONYMOUS FTP SCANNER USING FTplib MODULE

AIM:

To build an anonymous FTP scanner using ftplib module

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)
```

TO RUN:

1. The script imports the ftplib module.
2. A function named anonymousLogin(hostname) is defined.
3. Inside the function, an FTP connection to the given hostname is attempted.
4. The script sends an anonymous login request using the username anonymous and password anonymous.
5. The server's login response is captured.
6. The script checks whether the response contains the string "230 Anonymous access granted".
7. If the check passes, the script prints that the FTP anonymous login succeeded.
8. The script retrieves and prints the server's welcome banner.
9. The script prints the directory listing of the FTP server's root folder.
10. If any error occurs during connection or login, the script prints the error and states that the anonymous login failed.
11. Running this function with ftp.be.debian.org typically results in a successful login with a message similar to: "230 Anonymous access granted, restrictions apply" followed by the success notice and directory listing.

RESULT:

"FTP Anonymous Login to ftp.be.debian.org successfully executed. Server welcome message displayed, and directory listing retrieved."