

FTP File Deletion Client (socket)

Background

File Transfer Protocol (FTP) is a standard network protocol used to transfer files between a client and server. You are required to implement an FTP client that connects to an FTP server and deletes a specified file using the socket library in Python.

Requirements

- FTP Connection: The function should establish a connection to the FTP server using the given host.
- Login: The function should log in to the server using the provided username and password.
- File Deletion: The function should delete the specified file from the server.
- Proper Closure: The function should close the connection to the FTP server properly.
- Return Message: The function should return a confirmation message indicating the file has been successfully deleted.

Constraints

- Assume that the FTP server is always reachable and the provided credentials are correct.
- The file to be deleted will always exist on the server.
- The function should handle the normal flow without exceptions.

Output (without unit test)

250 File deleted successfully.

Output (with unit test)

```
test attribute passed: 250 File deleted successfully. is equal
to 250 File deleted successfully.
login called with call(b'PASS pass\r\n')
quit called with call(b'QUIT\r\n')
socket close called with call()
sendcmd called with call(b'TEST\r\n')
```