List FTP Directory with MLSD ftplib

Problem Description You are tasked with implementing a Python function that connects to an FTP server, logs in with provided credentials, lists the contents of a specified directory using MLSD command, and outputs the details of each file. Function Requirements - Connect to an FTP server using the provided host. - Log in with the provided username and password. - Use the mlsd command to get a detailed list of files in the specified directory. - Print the welcome message from the server. - Print the login message. - For each file in the directory, print the filename and its details (e.g., size, modification date). - Print the guit message after closing the connection. Sample Output (without unit test, files and directories may be different on your laptop) 220-FileZilla Server 1.7.0 220 Please visit https://filezilla-project.org/ 230 Login successful. Contents of directory .: autopsy: type: dir modify: 20240130231230.947 perms: cplem test.txt: type: file size: 32 modify: 20240512232549.554 perms: awr uploaded example.zip: type: file size: 174 modify: 20240513000408.961 perms: awr 221 Goodbye. Output (with unit test) login called with call('user', '123') mlsd called with call('/') test attribute passed: 220-FileZilla Server 1.7.0 is equal to 220-FileZilla Server 1.7.0 test attribute passed: 220 Please visit https://filezilla-

project.org/ is equal to 220 Please visit https://filezilla-

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project.org/
test attribute passed: 230 Login successful. is equal to 230
Login successful.
test attribute passed: Contents of directory /: is equal to
Contents of directory /:
test attribute passed: file1.txt: is equal to file1.txt:
test attribute passed:
                         type: file is equal to
                                                  type: file
                         size: 32 is equal to
test attribute passed:
                                                size: 32
                         modify: 20210515094500 is equal to
test attribute passed:
modify: 20210515094500
test attribute passed:
                         perms: awr is equal to
                                                   perms: awr
test attribute passed: file2.txt: is equal to file2.txt:
                         type: file is equal to
test attribute passed:
                                                  type: file
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