Simple File Server (Server)

Problem Statement:

You are tasked with writing a simple file server and a client program that can download files from the server.

Server Requirements:

The server should:

- Listen on localhost (IP address 127.0.0.1) and port 12345.
- Accept a single connection at a time.
- When a client connects, read the requested filename from the client.
- Look up the file in an internal dictionary of files and their contents.
- Send the content of the requested file back to the client.
- If the requested file is not found, send the message "File not found." back to the client.
- Close the connection after sending the file content or the "File not found." message.

Client Requirements:

The client program should:

- Take the filename as a command-line argument.
- Connect to the server on localhost and port 12345.
- Send the filename to the server.
- Receive the file content (or the "File not found." message) from the server.
- Print the received content to the console.
- Close the connection to the server.

Input:

Your server program should not require any input. Your client program should take the filename as a command-line argument.

Output of the server:

```
Testing file download existing ...

Connected by ('127.0.0.1', 12345)

recv called with: call(1024)

sendall called with: call(b'Hello, this is the content of example.txt')

close called with: call()

Testing file download not exist ...

Connected by ('127.0.0.1', 12345)

recv called with: call(1024)

sendall called with: call(b'File not found.')

close called with: call()
```

Output of the client:

Testing file download not exist ... Connected to server on port 12345 Received from server:

File not found.
Connection closed.
connect called with: call(('127.0.0.1', 12345))
sendall called with: call(b'non_existent_file.txt')
recv called with: call(1024)
Testing file download success ...
Connected to server on port 12345
Received from server:
Hello, this is the content of example.txt
Connection closed.
connect called with: call(('127.0.0.1', 12345))
sendall called with: call(b'example.txt')