

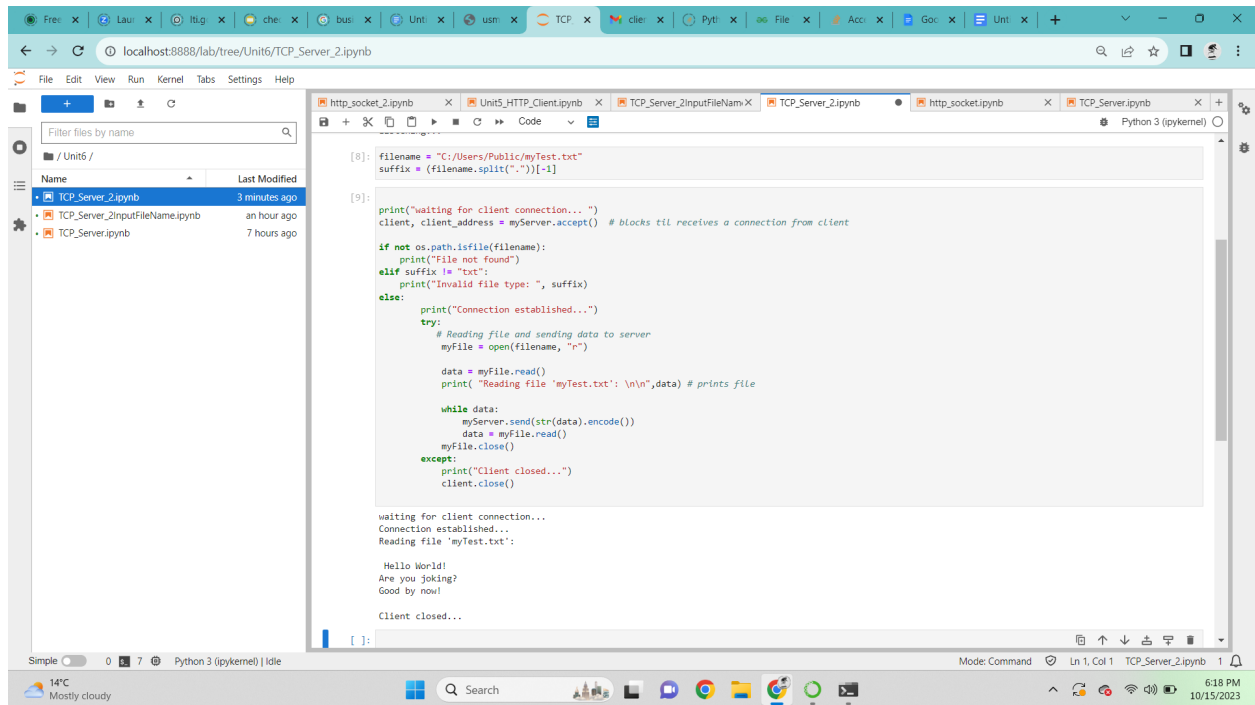
Reading file: c:/Users/Public/myTest.txt

C:\Users\Public>more myTest.txt

Hello World!

Are you joking?

Good by now!



The screenshot shows a JupyterLab environment with a file browser on the left and a code editor on the right. The file browser displays a directory structure with files like 'TCP\_Server\_2.ipynb', 'TCP\_Server\_2inputFileName.ipynb', and 'TCP\_Server.ipynb'. The code editor shows a Python script that reads a file and sends its contents over a TCP connection. The script is as follows:

```
[8]: filename = "C:/Users/Public/myTest.txt"
    suffix = (filename.split(".")[-1])

[9]: print("waiting for client connection...")
    client, client_address = myServer.accept() # blocks til receives a connection from client

    if not os.path.isfile(filename):
        print("File not found")
    elif suffix != "txt":
        print("Invalid file type: ", suffix)
    else:
        print("Connection established...")
        try:
            # Reading file and sending data to server
            myFile = open(filename, "r")

            data = myFile.read()
            print("Reading file 'myTest.txt': \n\n", data) # prints file

            while data:
                myServer.send(str(data).encode())
                data = myFile.read()
            myFile.close()
        except:
            print("Client closed...")
            client.close()

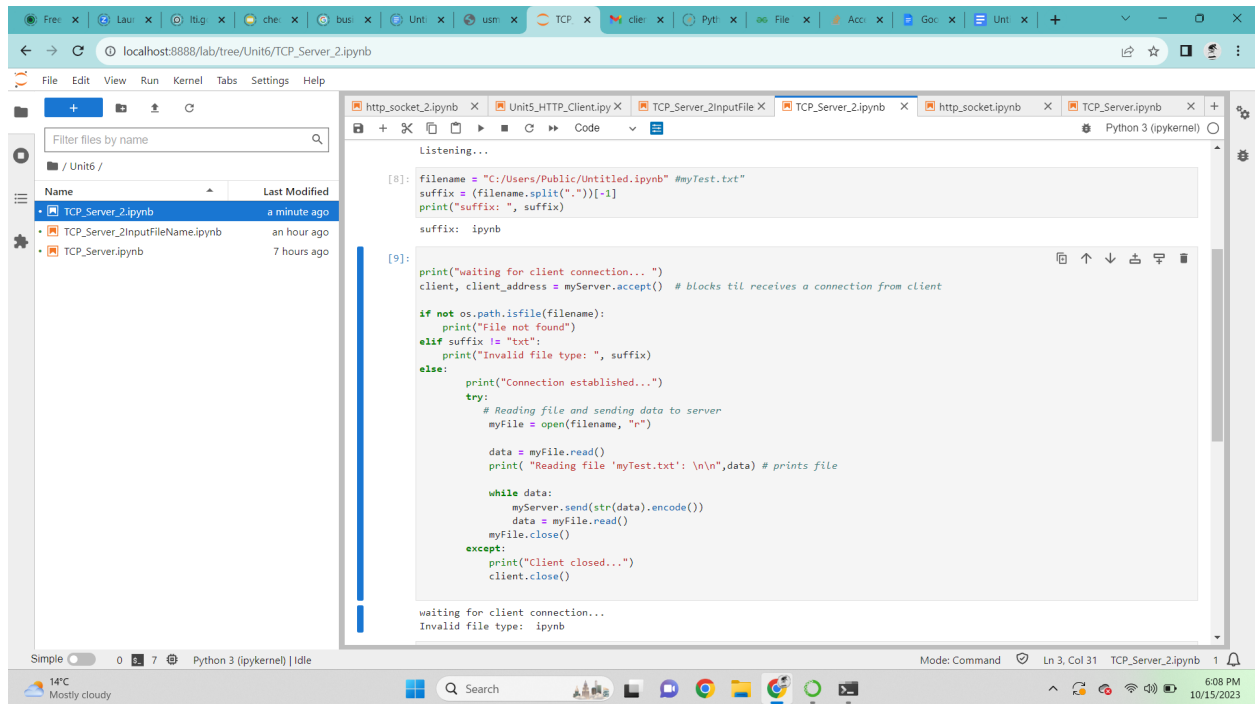
waiting for client connection...
Connection established...
Reading file 'myTest.txt':

Hello World!
Are you joking?
Good by now!

Client closed...
```

The output of the script is visible in the console at the bottom of the code editor, showing the sequence of events from waiting for a connection to the client closing.

Invalid File Type example:



## File Not Found example:

