

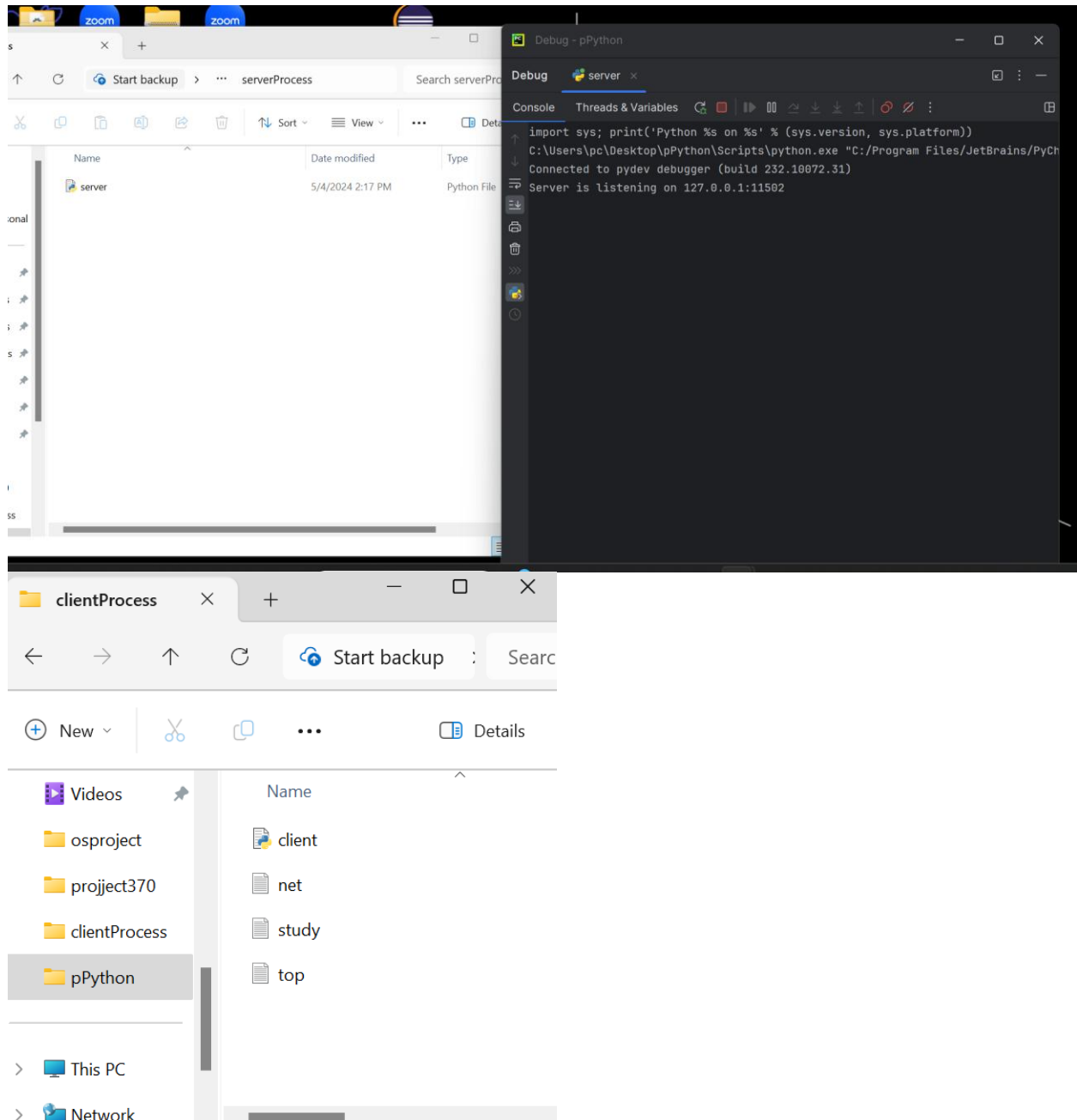


King Saud University
College of Computer and Information Sciences
Department of Information Systems

IS370 Network Project

Run screen shots:

Server at the begging, our server directory and client directory

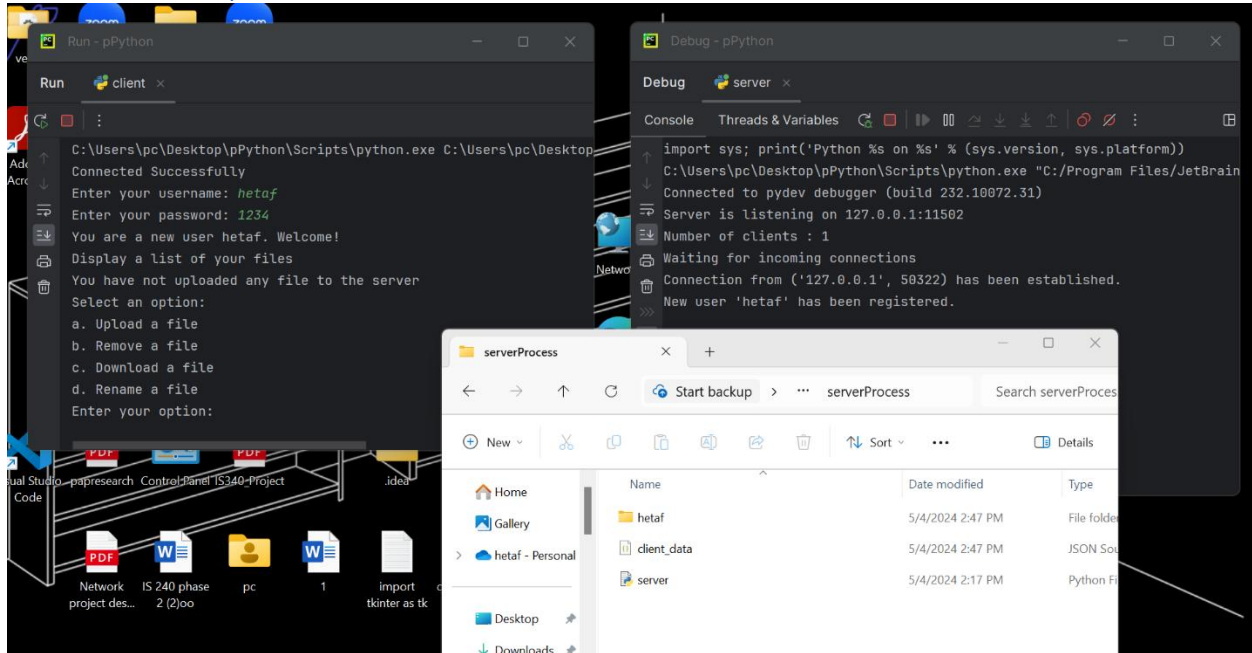




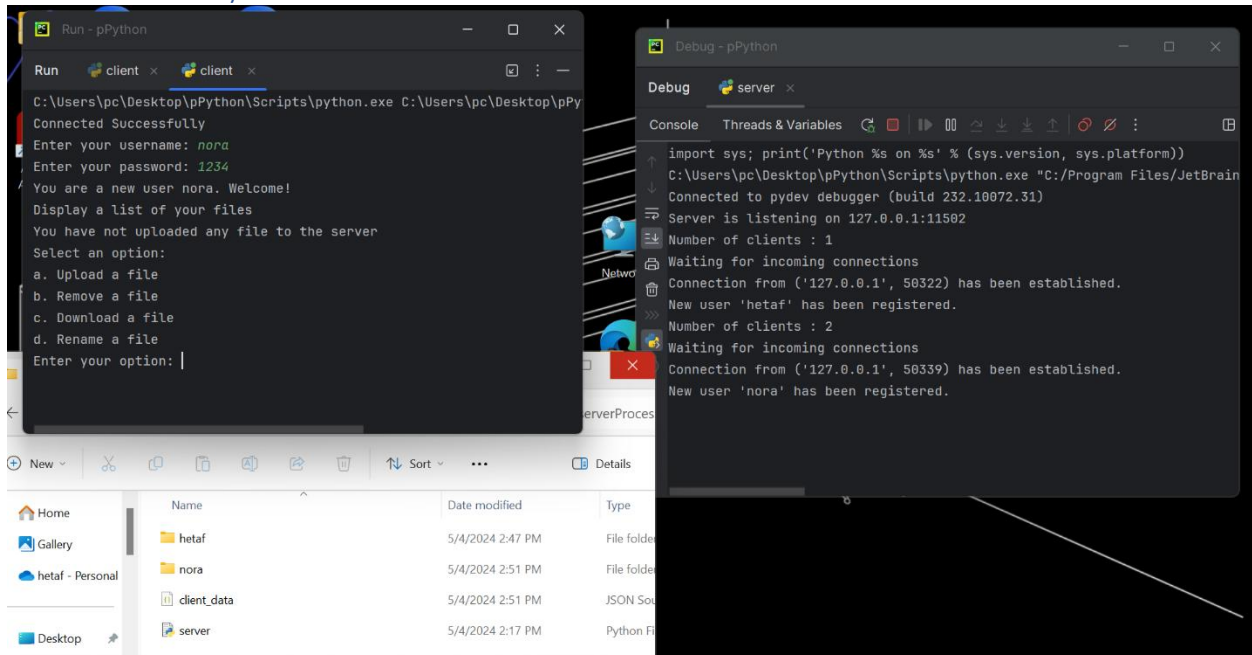
King Saud University
College of Computer and Information Sciences
Department of Information Systems

IS370 Network Project

After Connect by client



After Connect by tow client





King Saud University
College of Computer and Information Sciences
Department of Information Systems

IS370 Network Project

Upload a file

The screenshot displays a network project interface with three main components:

- Run - pPython (client):** A terminal window showing the client's interaction with the server. It displays a menu with options: a. Upload a file, b. Remove a file, c. Download a file, d. Rename a file. The user selects 'a' and enters the filename 'net.txt'. The output shows: 'File uploaded successfully.', 'File 'net.txt' has been sent to the server.', and 'Ending connection with server'.
- File Explorer:** A window showing the 'hetaf' folder. It contains a file named 'net' with a date modified of '5/4/2024 2:53 PM' and a type of 'Text Doc'.
- Debug - pPython (server):** A console window showing the server's logs. It includes the following messages:
 - 'import sys; print('Python %s on %s' % (sys.version, sys.platform))'
 - 'C:\Users\pc\Desktop\pPython\Scripts\python.exe "C:/Program Files/JetBrain'
 - 'Connected to pydev debugger (build 232.10072.31)'
 - 'Server is listening on 127.0.0.1:11502'
 - 'Number of clients : 1'
 - 'Waiting for incoming connections'
 - 'Connection from ('127.0.0.1', 50322) has been established.'
 - 'New user 'hetaf' has been registered.'
 - 'Number of clients : 2'
 - 'Waiting for incoming connections'
 - 'Connection from ('127.0.0.1', 50339) has been established.'
 - 'New user 'nora' has been registered.'
 - 'here is send'
 - 'file 'net.txt' has been recieved from client ('127.0.0.1', 50322).'
 - 'Client at ('127.0.0.1', 50322) has disconnected.'

This our Jason file now

The screenshot shows a JSON file named 'client_data.json' with the following content:

```
1 [{"hetaf": {"password": "1234", "files": ["net.txt", "study.txt"]}, "nora": {"password": "1234", "files": ["top.txt"]},
```



King Saud University
College of Computer and Information Sciences
Department of Information Systems

IS370 Network Project

Reset password and resign up

```
Run - pPython
client (2) x
C:\Users\pc\Desktop\pPython\Scripts\python.exe C:\Users\pc\Desktop\pPython\Scripts\python.exe
Connected Successfully
Enter your username: nora
Enter your password: 22
Wrong password. Do you want to reset your password? (yes/no): yes
Enter your new password: 12345
Password reset successful.
Enter your username: nora
Enter your password: 12345
Welcome back, nora!
Display a list of your files
Your files in the server are:
top.txt
Select an option:
a. Upload a file
Restricted Mode is intended for safe code browsing. Trust this window to enable... Manage Learn More
client_data.json x Release Notes: 1.88.1
C:\Users\pc\Desktop\pPython>proj_Network>serverProcess> {} client_data.json > ...
1 "nora": {"password": "12345", "files": ["top.txt"]}, ""
```

```
Debug - pPython
server x client x
Console Threads & Variables
import sys; print('Python %s on %s' % (sys.version, sys.platform))
C:\Users\pc\Desktop\pPython\Scripts\python.exe "C:/Program Files/JetBrain
Connected to pydev debugger (build 232.10072.31)
Server is listening on 127.0.0.1:11502
Number of clients : 1
Waiting for incoming connections
Connection from ('127.0.0.1', 50685) has been established.
Number of clients : 2
Waiting for incoming connections
Connection from ('127.0.0.1', 50689) has been established.
Password for nora reset successfully.
```

Rename file from top.txt> ontop.txt

```
Run - pPython
client (2) x
top.txt
Select an option:
a. Upload a file
b. Remove a file
c. Download a file
d. Rename a file
Enter your option: d
Enter the old filename: top.txt
Enter the new filename: ontop.txt
File renamed successfully.
File 'top.txt' has renamed to 'ontop.txt'.
Ending connection with server
Process finished with exit code 0
Restricted Mode is intended for safe code browsing. Trust this window to enable... Manage Learn More
client_data.json x Release Notes: 1.88.1
C:\Users\pc\Desktop\pPython>proj_Network>serverProcess> {} client_data.json > ...
1 "password": "12345", "files": ["ontop.txt"]}, "" {"password":
```

```
Debug - pPython
server x client x
Console Threads & Variables
import sys; print('Python %s on %s' % (sys.version, sys.platform))
C:\Users\pc\Desktop\pPython\Scripts\python.exe "C:/Program Files/JetBrain
Connected to pydev debugger (build 232.10072.31)
Server is listening on 127.0.0.1:11502
Number of clients : 1
Waiting for incoming connections
Connection from ('127.0.0.1', 50685) has been established.
Number of clients : 2
Waiting for incoming connections
Connection from ('127.0.0.1', 50689) has been established.
Password for nora reset successfully.
file renamed by client ('127.0.0.1', 50689).
Client at ('127.0.0.1', 50689) has disconnected.
```



King Saud University
College of Computer and Information Sciences
Department of Information Systems

IS370 Network Project

Download file (ontop.txt)

The screenshot displays the network project interface. On the left, a terminal window titled "Run - pPython" shows the client's interaction with the server. The client displays a list of files in the server: ontop.txt. The client selects option 'c' (Download a file) and enters the filename 'ontop.txt'. The server responds that the file has been downloaded and the connection is ending. Below the terminal, a file explorer window shows the 'clientProcess' directory, which contains files named 'client', 'net', 'ontop', 'study', and 'top'. The 'ontop' file is highlighted. On the right, a debug console window titled "Debug - pPython" shows the server's logs. The server is listening on 127.0.0.1:11502. A connection from ('127.0.0.1', 50719) has been established. The server logs that the file 'ontop.txt' has been downloaded by the client and that the client has disconnected.

```
Run - pPython
client (2) x
display a list of your files
Your files in the server are:
ontop.txt
Select an option:
a. Upload a file
b. Remove a file
c. Download a file
d. Rename a file
Enter your option: c
Enter the filename to download: ontop.txt
File 'ontop.txt' has been downloaded.
Ending connection with server

clientProcess
Start backup > ... clientProci Search clientProci
New >
Videos
osproject
project370
clientProcess
pPython
Name
client
net
ontop
study
top
Date modified
5/4/2024 3:46 PM
5/4/2024 3:30 AM
5/4/2024 3:58 PM
5/4/2024 3:55 PM
5/4/2024 12:29 AM

Debug - pPython
Debug server x client x
Console Threads & Variables
import sys; print('Python %s on %s' % (sys.version, sys.platform))
C:\Users\pc\Desktop\pPython\Scripts\python.exe "C:/Program Files/JetBrain
Connected to pydev debugger (build 232.10072.31)
Server is listening on 127.0.0.1:11502
Number of clients : 1
Waiting for incoming connections
Connection from ('127.0.0.1', 50719) has been established.
file 'ontop.txt' has been downloaded by client ('127.0.0.1', 50719).
Client at ('127.0.0.1', 50719) has disconnected.
```

Remove file

The screenshot displays the network project interface. On the left, a terminal window titled "Run - pPython" shows the client's interaction with the server. The client displays a list of files in the server: net.txt, study.txt. The client selects option 'b' (Remove a file) and enters the filename 'study.txt'. The server responds that the file has been removed successfully and the connection is ending. Below the terminal, a file explorer window shows the 'hetaf' directory, which contains a file named 'net'. On the right, a debug console window titled "Debug - pPython" shows the server's logs. The server is listening on 127.0.0.1:11502. A connection from ('127.0.0.1', 50719) has been established. The server logs that the file 'ontop.txt' has been downloaded by the client and that the client has disconnected. The number of clients is now 2. A connection from ('127.0.0.1', 50739) has been established. The server logs that the file 'study.txt' has been removed by the client and that the client has disconnected.

```
Run - pPython
client (2) x
net.txt
study.txt
Select an option:
a. Upload a file
b. Remove a file
c. Download a file
d. Rename a file
Enter your option: b
Enter the filename to remove: study.txt
File removed successfully.
File 'study.txt' has been removed from the server.
Ending connection with server

Process finished with exit code 0

hetaf
Start backup > ... hetaf Search hetaf
New >
Videos
osproject
project370
Name
net
Date modified
5/4/2024 2:53 PM

Debug - pPython
Debug server x client x
Console Threads & Variables
import sys; print('Python %s on %s' % (sys.version, sys.platform))
C:\Users\pc\Desktop\pPython\Scripts\python.exe "C:/Program Files/JetBrain
Connected to pydev debugger (build 232.10072.31)
Server is listening on 127.0.0.1:11502
Number of clients : 1
Waiting for incoming connections
Connection from ('127.0.0.1', 50719) has been established.
file 'ontop.txt' has been downloaded by client ('127.0.0.1', 50719).
Client at ('127.0.0.1', 50719) has disconnected.
Number of clients : 2
Waiting for incoming connections
Connection from ('127.0.0.1', 50739) has been established.
file 'study.txt' has been removed by client ('127.0.0.1', 50739).
Client at ('127.0.0.1', 50739) has disconnected.
```