

Task 4 RPC

Deliverable 1 – Testing what happens when you input
1 and 2 to the client console

1-red outline

2-blue outline

```
Please choose an option:  
1. send ping  
2. say hello  
2. say hello  
3. send file  
4. list all files  
5. delete file  
1  
Ping response: pong
```

```
Please choose an option:  
1. send ping  
2. say hello  
3. send file  
4. list all files  
5. delete file  
2  
sayHello response: hello john
```

Deliverable 2 - Capture the output of your client and sever console after sending the MP3, and add it to your document.

```
27.0.0.1 - - [04/Mar/2025 12:02:58] "POST / HTTP/1.1" 200 -
[
  5. delete file
  3
  What is the filename to send?
  c.py
  Encoded file snippet: ZnJvbSBqc29ucnBjY2xpZW50IGltcG9ydCBYXZF1
  ZXN0LCBwYXJzZQ0Kaw1w ...
  sendFile response: saved

  Please choose an option:
  1. send ping
  2. say hello
  3. send file
  4. list all files
  5. delete file
  3
  What is the filename to send?
  1-saved.mp3
  Encoded file snippet: ZnJvbSBqc29ucnBjY2xpZW50IGltcG9ydCBYXZF1
  ZXN0LCBwYXJzZQ0Kaw1w ...
  sendFile response: saved

  Please choose an option:
  1. send ping
  2. say hello
  3. send file
  4. list all files
  5. delete file
  4
  Directory listing on server:
  1-saved.mp3
  c.py
  s.py
]
```

Deliverable 3 - Capture the output of your client and server console after calling option 4 showing a list of files on the server.

```
ogICAgICAgIGZpbGVuYm1lID0galw5wdXQ0KQ0KICAgICAgICBzZW5kRm1sZShmalw1bmFtZ
skNCiAgICBlbGlmIG9wdGlvbiA9PSA00g0KICAgICAgICBhc2t6b3JMaXN0KCKNCiAgICBl
ogICAgICAgIGZpbGVuYm1lID0galw5wdXQ0KQ0KICAgICAgICBzZW5kRm1sZShmalw1bmFtZ
skNCiAgICBlbGlmIG9wdGlvbiA9PSA00g0KICAgICAgICBhc2t6b3JMaXN0KCKNCiAgICBl
skNCiAgICBlbGlmIG9wdGlvbiA9PSA00g0KICAgICAgICBhc2t6b3JMaXN0KCKNCiAgICBl
bGlmIG9wdGlvbiA9PSA10g0KICAgICAgICBkZWxldGVGaWx1KCKNCiAgICBlbWNo0KICA
gICAgICBwcm1udGciSW52YXpZCvChRpb24iKQ0K
[27.0.0.1 - - [04/Mar/2025 12:02:58] "POST / HTTP/1.1" 200 -
[27.0.0.1 - - [04/Mar/2025 12:04:57] "POST / HTTP/1.1" 200 -
[27.0.0.1 - - [04/Mar/2025 12:05:27] "POST / HTTP/1.1" 200 -
]

  Please choose an option:
  1. send ping
  Please choose an option:
  1. send ping
  1. send ping
  2. say hello
  3. send file
  4. list all files
  5. delete file
  4
  Directory listing on server:
  1-saved.mp3
  c.py
  s.py
]
```

In the dark green section you can see that the file 1-saved.mp3 doesn't exist anymore meaning the deletion was successful

```

13BzZW5kIG9wdGlvbiA9PSAxOg0KICAgICAgICBzZW5kUGluZyYypDQogICAgZlBvcHRp
lpbnQoIjUuIGRlbGV0ZSBmalwXlIikNCiAgICBvcHRpb24gPSBpbmQoaW5wdXQoSksKNCg0K]
CAGIGlmIG9wdGlvbiA9PSAxOg0KICAgICAgICBzZW5kUGluZyYypDQogICAgZlBvcHRp
b24gPT0gMjoNCiAgICAgICAgc2F5SGVsbG8oImpvaG4iKQ0KICAgICGvsakWYgb3B0aW9uID0
lpbnQoIjUuIGRlbGV0ZSBmalwXlIikNCiAgICBvcHRpb24gPSBpbmQoaW5wdXQoSksKNCg0K]
CAGIGlmIG9wdGlvbiA9PSAxOg0KICAgICAgICBzZW5kUGluZyYypDQogICAgZlBvcHRp
b24gPT0gMjoNCiAgICAgICAgc2F5SGVsbG8oImpvaG4iKQ0KICAgICGvsakWYgb3B0aW9uID0
IDM6DQogICAgICAgIHByaw50KCJXaGF0IGlzIHRoZSBmalwXlBmFtZSB0byBzZW5kPyIpDX
b24gPT0gMjoNCiAgICAgICAgc2F5SGVsbG8oImpvaG4iKQ0KICAgICGvsakWYgb3B0aW9uID0
IDM6DQogICAgICAgIHByaw50KCJXaGF0IGlzIHRoZSBmalwXlBmFtZSB0byBzZW5kPyIpDX
IDM6DQogICAgICAgIHByaw50KCJXaGF0IGlzIHRoZSBmalwXlBmFtZSB0byBzZW5kPyIpDX
ogICAgICAgICGZpbGVuYW1lID0gaW5wdXQoSksKNCiAgICAgICBzZW5kRmlsZShmalwXlBmFtZ
skNCiAgICBlbmIG9wdGlvbiA9PSAxOg0KICAgICAgICBhc2tGb3JMaXN0KCkNCiAgICBl
ogICAgICAgICGZpbGVuYW1lID0gaW5wdXQoSksKNCiAgICAgICBzZW5kRmlsZShmalwXlBmFtZ
skNCiAgICBlbmIG9wdGlvbiA9PSAxOg0KICAgICAgICBhc2tGb3JMaXN0KCkNCiAgICBl
skNCiAgICBlbmIG9wdGlvbiA9PSAxOg0KICAgICAgICBhc2tGb3JMaXN0KCkNCiAgICBl
bGlmIG9wdGlvbiA9PSAxOg0KICAgICAgICBzZW5kRmlsZShmalwXlBmFtZSB0byBzZW5kPyIpDX
gICAgICBwcmludCIwS2YkxpZCBvcHRpb24iKQ0K
127.0.0.1 - - [04/Mar/2025 12:02:58] "POST / HTTP/1.1" 200 -
127.0.0.1 - - [04/Mar/2025 12:04:57] "POST / HTTP/1.1" 200 -
127.0.0.1 - - [04/Mar/2025 12:05:27] "POST / HTTP/1.1" 200 -
127.0.0.1 - - [04/Mar/2025 12:07:26] "POST / HTTP/1.1" 200 -
127.0.0.1 - - [04/Mar/2025 12:07:34] "POST / HTTP/1.1" 200 -

```