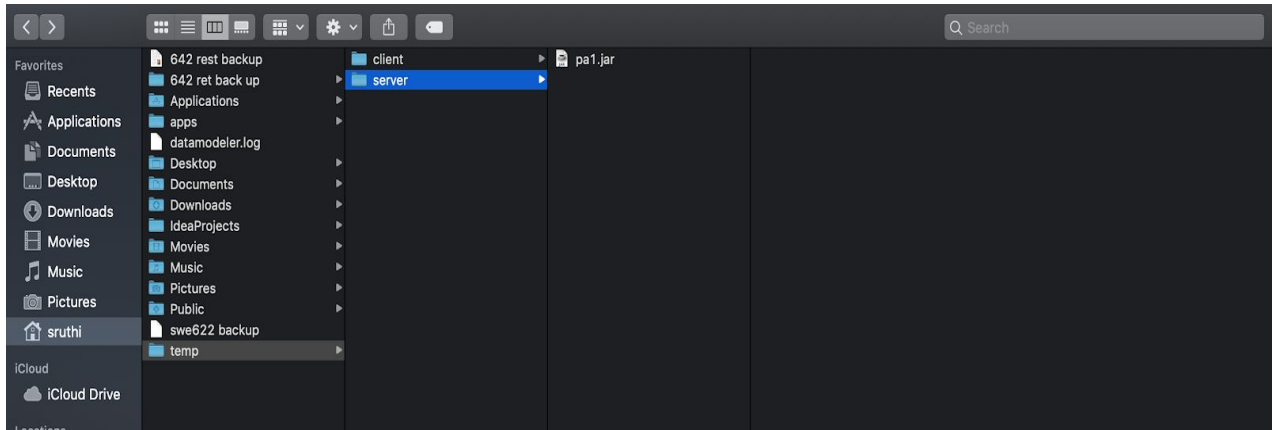


## Programming Assignment 2

By  
Sruthi Moothat

- This is the current directory of the server.



- Start the server:

```
java -jar pa1.jar server start 8000
```

```
Nithins-MacBook-Pro:server sruthi$ java -jar pa1.jar server start 8000  
Server is ready  
█
```

- Create the environmental variable:

```
export PA1_SERVER="localhost:8000"
```

```
Nithins-MacBook-Pro:client sruthi$ export PA1_SERVER="localhost:8000"  
Nithins-MacBook-Pro:client sruthi$
```

- Upload a file to the server:

```
java -jar pa1.jar client upload <path_on_client>  
<path_on_server>
```

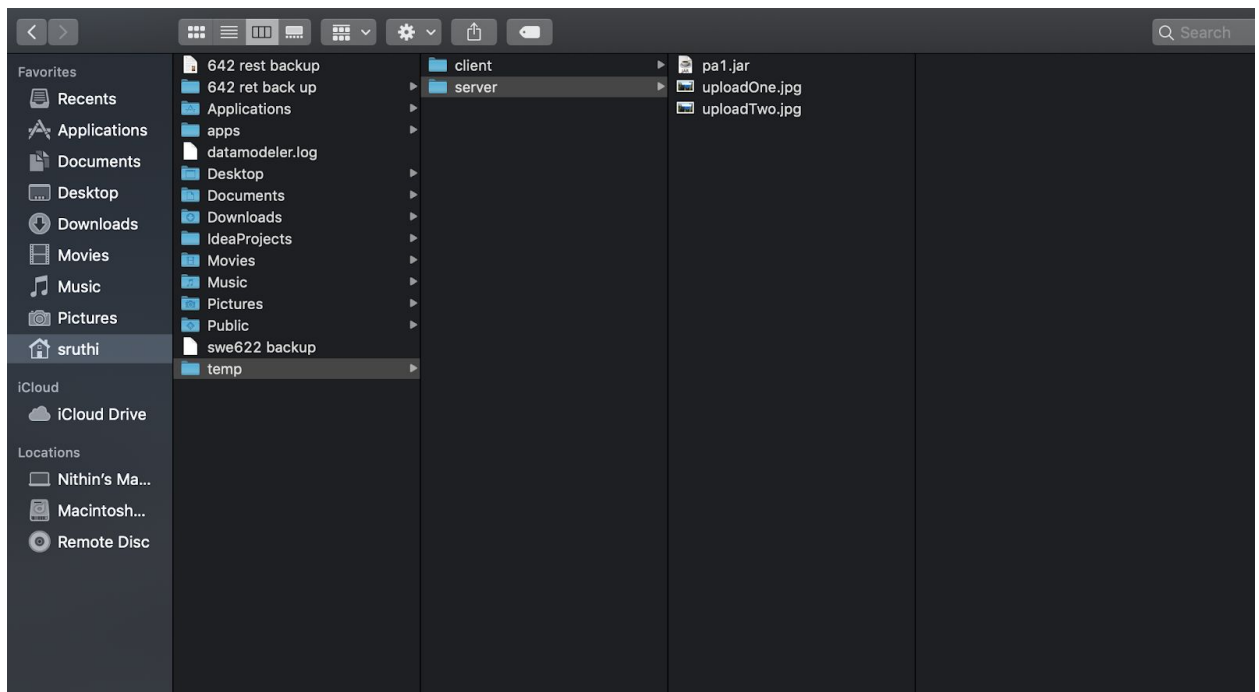
```
Nithins-MacBook-Pro:client sruthi$ export PA1_SERVER="localhost:8000"  
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client upload pic.jpg /uploadOne.jpg  
Uploading... 100%  
The file is successfully uploaded  
Nithins-MacBook-Pro:client sruthi$
```

- Resuming upload after the transfer is interrupted.

```

Nithins-MacBook-Pro:client sruthi$ export PA1_SERVER="localhost:8000"
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client upload pic.jpg /uploadOne.jpg
Uploading... 100%
The file is successfully uploaded
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client upload pic2.jpg /uploadTwo.jpg
Uploading... 38%Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client upload pic2.jpg /uploadTwo.jpg
Resuming upload
Uploading... 100%
The file is successfully uploaded
Nithins-MacBook-Pro:client sruthi$

```



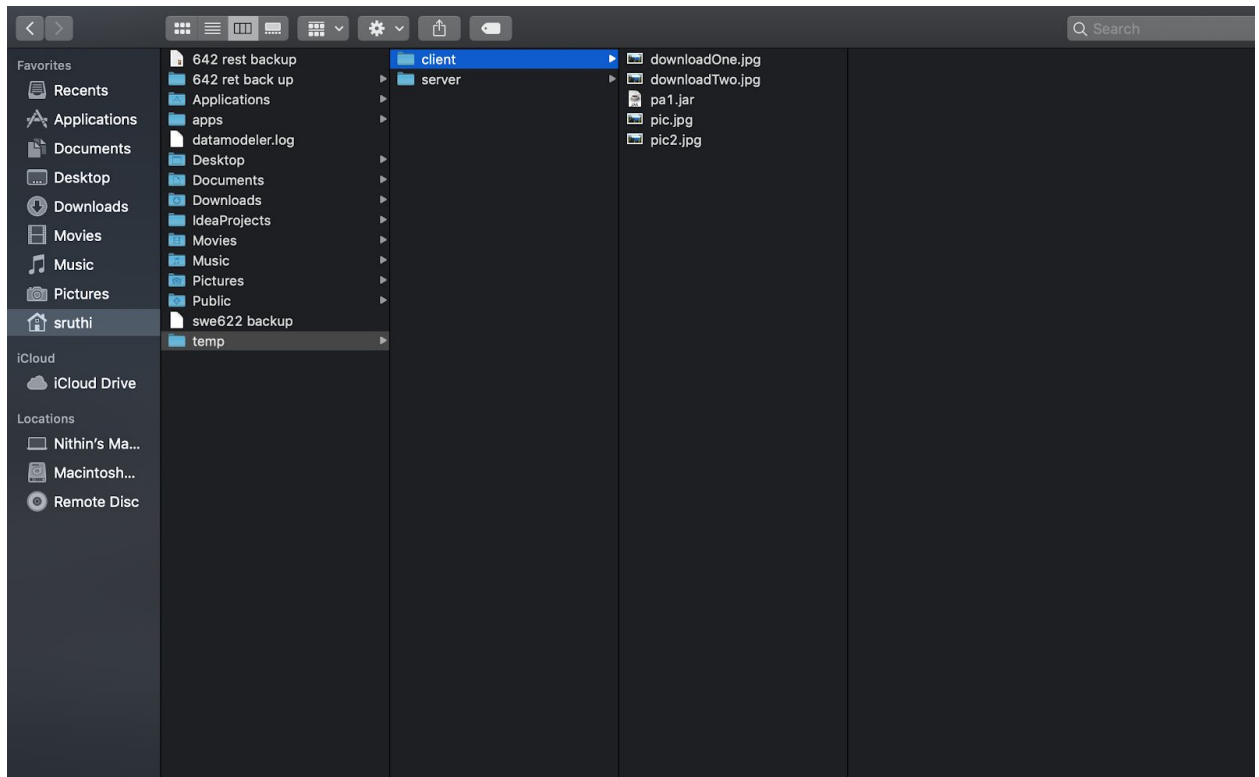
- Download a file from the server  

```
java -jar pa1.jar client download <path_on_server>
<path_on_client>
```

```
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client download /upload0ne.jpg download0ne.jpg
Downloading... 100%
The file is successfully downloaded
Nithins-MacBook-Pro:client sruthi$
```

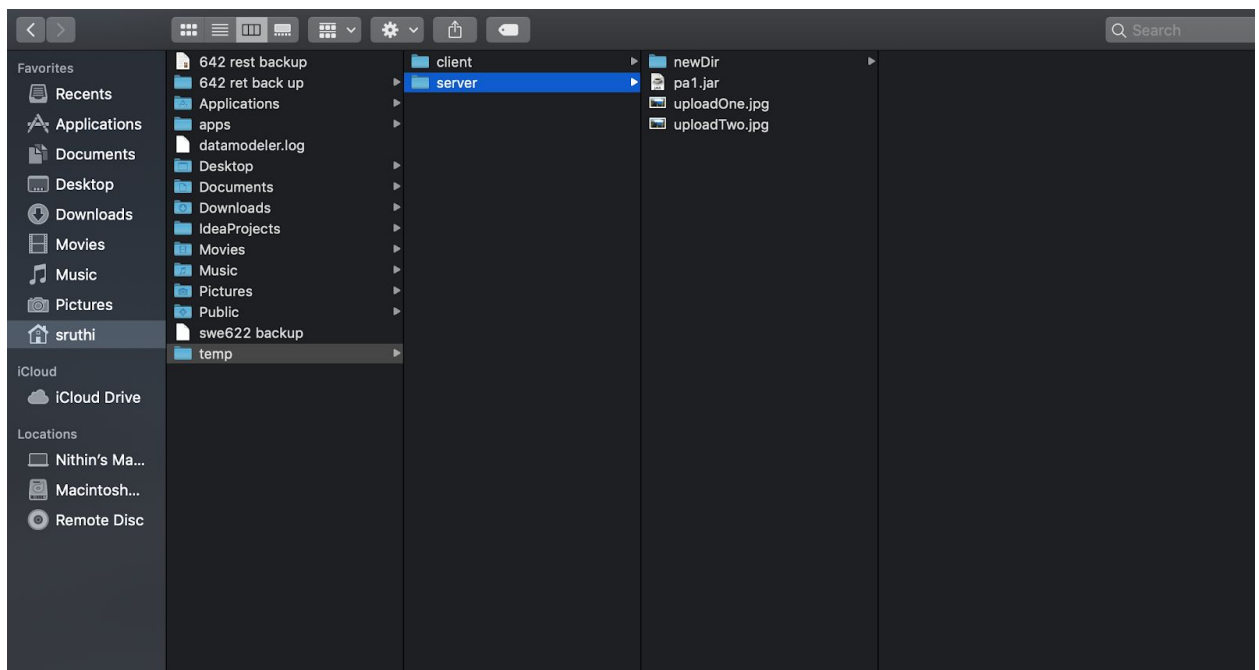
- Resume download

```
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client download /upload0ne.jpg download0ne.jpg
Downloading... 100%
The file is successfully downloaded
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client download /uploadTwo.jpg downloadTwo.jpg
Downloading... 25%Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client download /uploadTwo.jpg downloadTwo.j
pg
Resuming download
Downloading... 100%
The file is successfully downloaded
Nithins-MacBook-Pro:client sruthi$
```



- Create a new directory on the server  
`java -jar pa1.jar client mkdir <path_on_server>`

```
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client mkdir /newDir
New directory is created
Nithins-MacBook-Pro:client sruthi$
```



- List the directories/ files in the server

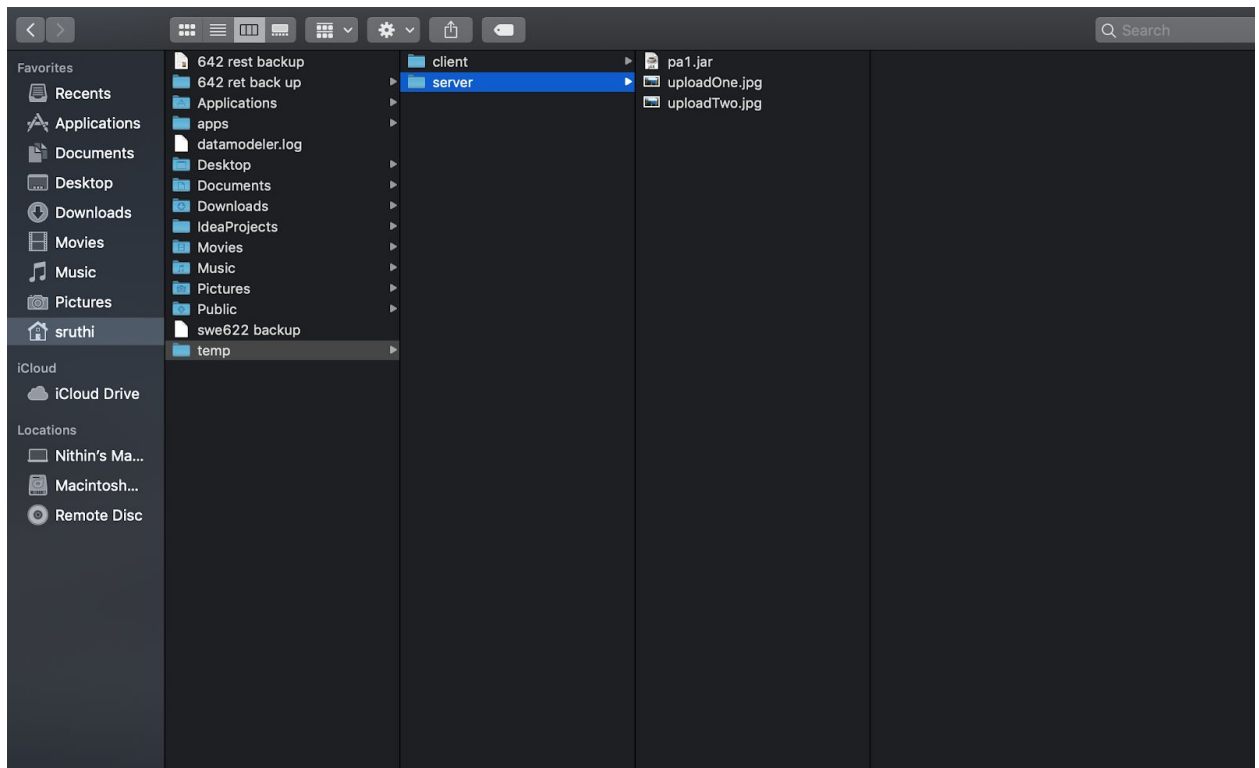
```
java -jar pa1.jar client dir <path_of_directory_on_server>
```

```
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client dir /  
.DS_Store  
pa1.jar  
uploadOne.jpg  
newDir  
uploadTwo.jpg  
Nithins-MacBook-Pro:client sruthi$
```

- Remove the directory from the server if it is empty

```
java -jar pa1.jar client rmdir <path_of_directory_on_server>
```

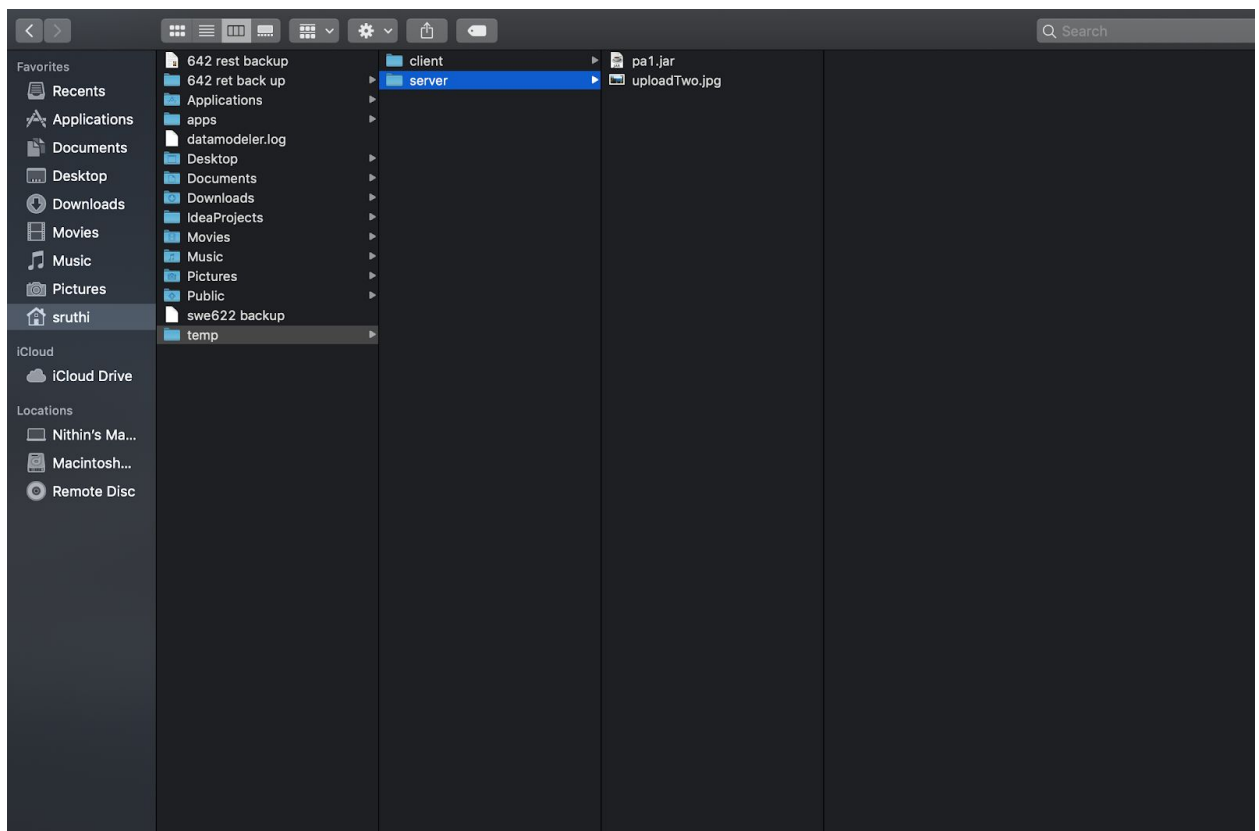
```
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client rmdir /newDir
The directory is deleted
Nithins-MacBook-Pro:client sruthi$
```



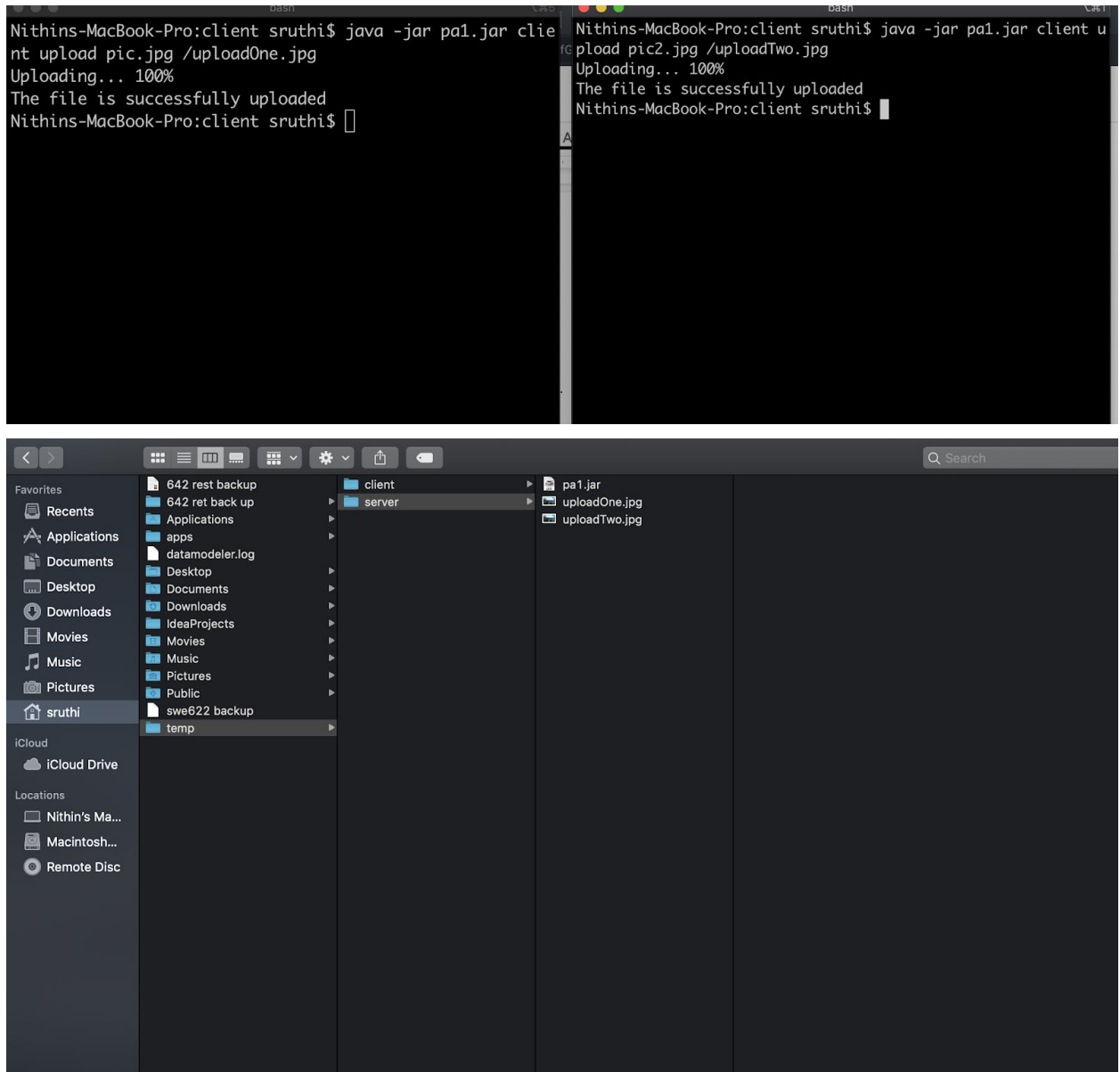
- Remove file from the server:  
`java -jar pa1.jar client rm <path_of_file_on_server>`



```
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client rm /uploadOne.jpg
The file is deleted
Nithins-MacBook-Pro:client sruthi$
```



- Two clients are uploading files at the same time.



- Shutdown the server:  
`java -jar pa1.jar client shutdown`

```
iTerm2  Shell  Edit  View  Session  Scripts  Profiles  Toolbelt  Window  Help
bash
Nithins-MacBook-Pro:client sruthi$ java -jar pa1.jar client shutdown
Nithins-MacBook-Pro:client sruthi$

to
jar server start 8000
Server is ready
The Server is shutdown
Nithins-MacBook-Pro:server sruthi$
```