

1)server screenshots

```
sudharshan@sudharshanb190512cs:~/Desktop/lab ass 6$ gcc s.c
sudharshan@sudharshanb190512cs:~/Desktop/lab ass 6$ ./a.out 4035
Socket successfully created.
Socket successfully binded to port number 4035
Server listening On port number=4035
[+]Client connected
received=[CREATEFILE]
file.txt file created successfully
received=[LISTDIR]
sent count of files=[11]
1.[s.c]
2.[stext.txt]
3.[a.out]
4.[logincred.txt]
5.[.]
6.[..]
7.[file.txt]
8.[simage.png]
9.[client folder]
10.[saudio.ogg]
11.[svideo.mp4]
```

```
received=[STOREFILE]
[+]file receiving started
[+]The file receiving finished
received=[STOREFILE]
received msg to stop,so file not received from client
```

```
received=[GETFILE]
[+]File sending started
[+]File sending finished
0.000047 seconds to send file
received=[GETFILE]
client requested a file which is not present
received=[GETFILE]
[+]File sending started
[+]File sending finished
0.013231 seconds to send file
received=[quit]
received this invalid command:[quit]
received=[QUIT]
QUIT is received;closing both connection and socket and terminating the process
sudharshan@sudharshanb190512cs:~/Desktop/lab ass 6$
```

2)client screenshots

```
sudharshan@sudharshanb190512cs:~/Desktop/lab ass 6/client folder$ gcc c.c
sudharshan@sudharshanb190512cs:~/Desktop/lab ass 6/client folder$ ./a.out 4035
Enter START to establish the connection to server
START
Socket successfully created.
200 OK Connection is setup
USERN
stallings
300 Correct Username;Need password
PASSWD
network$security
305 password authentication successful
Welcome,stallings!
$$CREATEFILE
enter filename to be created in server(.txt only):file.txt
server:file created
```

```
$$LISTDIR
Number of files in server directory=11
1.[s.c]
2.[stext.txt]
3.[a.out]
4.[logincred.txt]
5.[.]
6.[..]
7.[file.txt]
8.[simage.png]
9.[client folder]
10.[saudio.ogg]
11.[svideo.mp4]
$$STOREFILE
ctext.txt
[+]File sending started
[+]File sending finished
0.000068 seconds to send file
$$STOREFILE
sample.txt
entered file does not exist in directory,so not sent to server
```

```
$$GETFILE
stext.txt
file present in server
[+]file receiving started
[+]The file receiving finished
$$GETFILE
sample.txt
no file with given filename in server directory
$$GETFILE
svideo.mp4
file present in server
[+]file receiving started
[+]The file receiving finished
$$quit
From server:505 Command not supported
$$QUIT
You have requested to stop connection with the Server.
closing socket..
sudharshan@sudharshanb190512cs:~/Desktop/lab ass 6/client folder$
```