



Listen Connection
Data Connection



10 bytes	5bytes	20bytes	10 bytes
Header	CMD	FileName	Port No.
0000000035	get	file.txt	12345

Create TCP and connect to server socket

Create data port No. and send get request command with port No.

Create data socket and connect to client

Send header and response message

Send header and send file chunks of 4096 bytes

Close data connection after receive last chunk

10 bytes	1 bytes
Header	response Msg
0000000001	1 or 0

10 bytes	4097 bytes
Header	file divide into chunks
0001351680	file.txt

10 bytes	5bytes	20bytes	10 bytes
Header	CMD	FileName	Port No.
0000000035	put	file.txt	12346

Create data port No. and send put request command with port No.

Create data socket and connect to client

Send header and message to receive file

Send header and send file chunks of 4096 bytes

Close data connection after receive last chunk

10 bytes	1 bytes
Header	response Msg
0000000001	1 or 0

10 bytes	4097 bytes
Header	file divide into chunks
0001351680	file.txt

10 bytes	5bytes	20bytes	10 bytes
Header	CMD	FileName	Port No.
0000000035	ls		12347

Create data port No. and send ls request command with port No.

Create data socket and connect to client

Send header and response message

Send message of the list of current directory

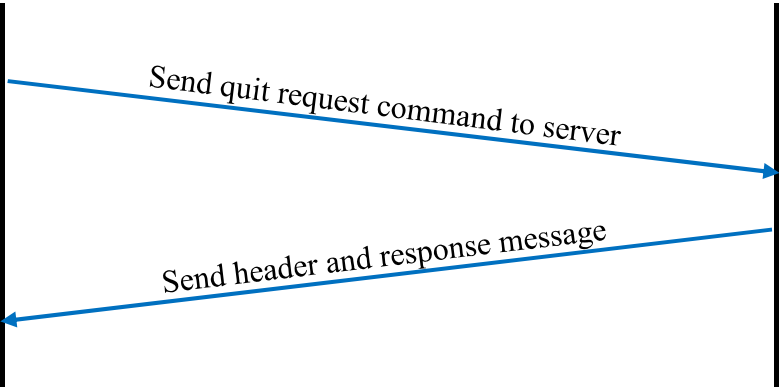
Close data connection after receive message

10 bytes	1 bytes
Header	response Msg
0000000001	1 or 0

10 bytes	358 bytes
Header	result of ls CMD
0000000358	message

10 bytes	5bytes	20bytes	10 bytes
Header	CMD	FileName	Port No.
0000000035	quit		

close the listen port



10 bytes	5 bytes
Header	quit response Msg
0000000005	accept