ITCS 6166
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HTTP1.1 Client and Server

GET Request

HTTP Client:

```
D:\ComputerNetworks\Project>java HttpClient 127.0.0.1 8080 GET def.txt

Connected to Server with port 8080
HTTP Status: 200 OK

The contents of the requested file is given below


Tesla, Inc. (formerly named Tesla Motors) is an American automaker, energy storage company, and solar panel
e company was initially founded in 2003 by Martin Eberhard and Marc Tarpenning, although the company also co
ngst its co-founders.[8] The company specializes in electric cars, Lithium-ion battery energy storage, and,
lar panels
End of File Reached
 Contents read successfully!
```

HTTP Server:

```
D:\ComputerNetworks\Project\Server>java HttpServer 8080
Server is being started on port: 8080

Waiting for client on port 8080...
Connected to /127.0.0.1:51839 through the port 8080

Waiting for client on port 8080...
Connected to /127.0.0.1:51869 through the port 8080

Requested object is def.txt
file contents of def.txt sent

Waiting for client on port 8080...
```

Server sends the contents of the requested file to the client and waits for the next request to come in since it is running in the multi-threaded loop.

The server is started using the command as shown below.

HttpServer port

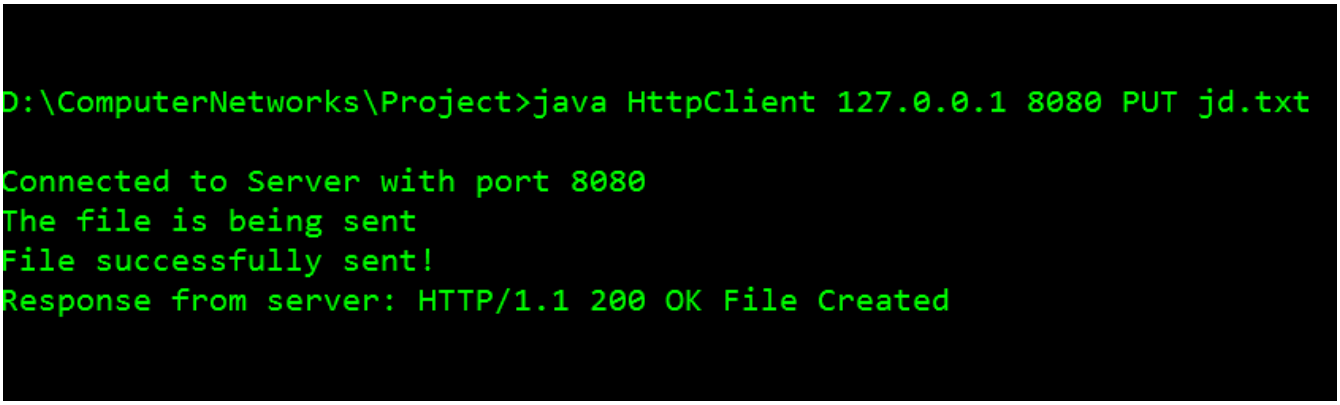
From the above screenshots it can be seen that the client requests the file as per the given instruction:

HttpClient hostname port command filename

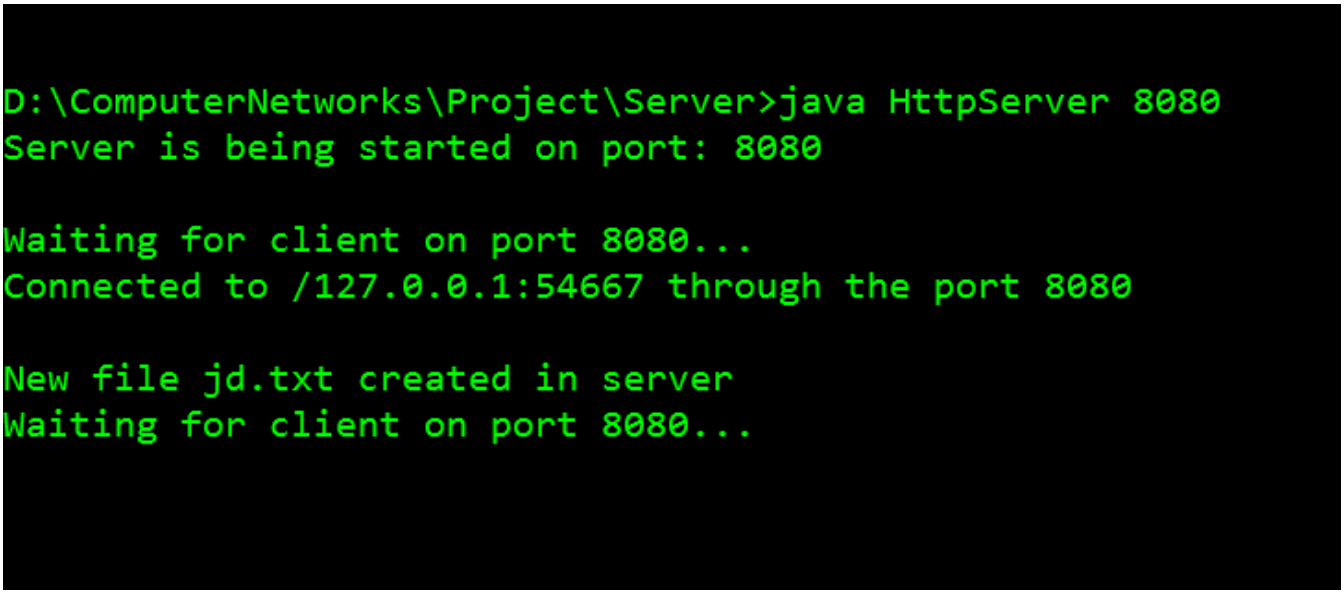
Server constructs the “200 OK“ and sends it to the client whenever it receives the GET request And the requested file is sent to the Client and the server waits for other clients .

PUT Request

HTTP Client:



HTTP Server:



Client uses the PUT request to send the file to the server.
Server accepts the request, saves the file and display the “New file created “message.

The server will always be running in multi-thread and is closed when the “exit” command is entered.

The open sockets are closed.

```
D:\ComputerNetworks\Project\Server>java HttpServer 8080
Server is being started on port: 8080

Waiting for client on port 8080...
Connected to /127.0.0.1:54667 through the port 8080

New file jd.txt created in server
Waiting for client on port 8080...
exit
Closing the open sockets

Sockets closed
```