**Port Number Used:** 9090

**Running the Server:**

1. Open cmd from the Server folder where the file **HttpServer.java** is located.
2. Run the command “javac HttpServer.java” – This will compile the java file
3. Run the command by passing the port number “java HttpServer.java 9090” – This will java program and start our server.
4. Congratulations, our server is ready to accept the incoming requests from client.

**Running the Client:**

1. Open cmd from the Client folder where the file **HttpClient.java** is located.
2. Run the command “javac HttpClient.java” – This will compile our java file.
3. Run the HttpClient by passing the hostname, port number, HttpMethod, path using the command “java HttpClient localhost 9090 get ./server\_to\_client.html” – This will fetch a file named “server\_to\_client.html” from server and sends it back to client with code **200 OK**.
4. Run the above command with invalid file using the command “java HttpClient localhost 9090 get ./server\_to.html” – This will return “**404 file not found**”.
5. Run the above command by changing httpmethod & path using the command “java HttpClient localhost 9090 put ./client\_to\_server.html” – this will perform the put operation.

**Shutdown of server using termination signal:**

1. Open cmd from the Client folder where the file **HttpClient.java** is located.
2. Run the command “javac HttpClient.java” – This will compile our java file.
3. Run the HttpClient by passing the hostname, port number, HttpMethod, path using the command “java HttpClient localhost 9090 over ./” – This will close all the open sockets in server and shutdown the server.
4. Run any command related to GET or PUT, It will say “**Connection refused**”.

Ex: “java HttpClient localhost 9090 get ./client\_to\_server.html”