

Web Server From Scratch(Ruslans Blog)

1. First TCP Connection must be established between **Client - Server**.

How ?

- Through **Sockets** we can establish TCP connection.
- Ex: In our practice we use python to establish a webserver using sockets library. and Instead of browser we listened to that port using **Telnet**.
- Now a TCP Connection is established. First Python Script(Server) then Telnet(Client). The Python script have the **Responses** for **Requests**.
- Now we can **Sent** and **Recieve** (HTTP Request and Responses).

Note

- The basic model of how a Web server works. To sum it up: The Web server creates a listening socket and starts accepting new connections in a loop. The client initiates a TCP connection and, after successfully establishing it, the client sends an HTTP request to the server and the server responds with an HTTP response that gets displayed to the user. To establish a TCP connection both clients and serves use sockets.