EX 2:

WRITE A HTTP WEB CLIENT PROGRAM TODOWNLOAD A WEB PAGE USING TCP SOCKETS. In java eclipse

Program:

```java
package computernetworks;

import java.io.*;

import java.net.*;

public class HttpWebClient {

        public static void main(String[] args) {

            String host = "example.com"; // You can change this to any host

            int port = 80;

            try (Socket socket = new Socket(host, port)) {

                // Send HTTP GET Request

                PrintWriter request = new PrintWriter(socket.getOutputStream(), true);

                request.println("GET / HTTP/1.1");

                request.println("Host: " + host);

                request.println("Connection: close");

                request.println(); // End of request headers

                // Read Response

                BufferedReader response = new BufferedReader(new
InputStreamReader(socket.getInputStream()));

                String line;

                while ((line = response.readLine()) != null) {

                    System.out.println(line);

                }

            } catch (IOException e) {

                System.out.println("Error: " + e.getMessage());

            }

        }
```

```
        }
```

Output:

HTTP/1.1 200 OK

Content-Type: text/html

ETag: "84238dfc8092e5d9c0dac8ef93371a07:1736799080.121134"

Last-Modified: Mon, 13 Jan 2025 20:11:20 GMT

Cache-Control: max-age=2197

Date: Thu, 26 Jun 2025 01:50:04 GMT

Content-Length: 1256

Connection: close

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```html
<!doctype html>
<html>
<head>
    <title>Example Domain</title>
    <meta charset="utf-8" />
    <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <style type="text/css">
    body {
        background-color: #f0f0f2;
        margin: 0;
        padding: 0;
        font-family: -apple-system, system-ui, BlinkMacSystemFont, "Segoe UI", "Open Sans",
"Helvetica Neue", Helvetica, Arial, sans-serif;

    }
    div {
        width: 600px;
        margin: 5em auto;
```

```
      padding: 2em;

      background-color: #fdfdff;

      border-radius: 0.5em;

      box-shadow: 2px 3px 7px 2px rgba(0,0,0,0.02);

    }

    a:link, a:visited {

      color: #38488f;

      text-decoration: none;

    }

    @media (max-width: 700px) {

      div {

        margin: 0 auto;

        width: auto;

      }

    }

    </style>

</head>

<body>

<div>

  <h1>Example Domain</h1>

  <p>This domain is for use in illustrative examples in documents. You may use this

  domain in literature without prior coordination or asking for permission.</p>

  <p><a href="https://www.iana.org/domains/example">More information...</a></p>

</div>

</body>

</html>
```