Write a simple HTTP client that connects to a URL, sends a request, and displays the response headers and body.

```java
package Day20;

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;
import java.util.List;
import java.util.Map;

public class SimpleHttpClient {

    public static void main(String[] args) {
        String urlString = "https://www.example.com"; // Replace with your URL

        try {
            // Create a URL object
            URL url = new URL(urlString);

            // Open a connection to the URL
            HttpURLConnection connection = (HttpURLConnection) url.openConnection();

            // Set the request method to GET
            connection.setRequestMethod("GET");

            // Get the response code
            int responseCode = connection.getResponseCode();
            System.out.println("Response Code: " + responseCode);

            // Get the response headers
            System.out.println("Response Headers:");
            Map<String, List<String>> headers = connection.getHeaderFields();
            for (Map.Entry<String, List<String>> entry : headers.entrySet()) {
                System.out.println(entry.getKey() + ": " + entry.getValue());
            }

            // Get the response body
            BufferedReader in = new BufferedReader(new
InputStreamReader(connection.getInputStream()));
            String inputLine;
            StringBuilder responseBody = new StringBuilder();

            while ((inputLine = in.readLine()) != null) {
                responseBody.append(inputLine);
            }
            in.close();

            // Print the response body
            System.out.println("Response Body:");
            System.out.println(responseBody.toString());

        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

```java
            System.out.println("Response Code: " + responseCode);

            // Get the response headers
            System.out.println("Response Headers:");
            Map<String, List<String>> headers = connection.getHeaderFields();
            for (Map.Entry<String, List<String>> entry : headers.entrySet()) {
                System.out.println(entry.getKey() + ": " + entry.getValue());
            }

            // Get the response body
            BufferedReader in = new BufferedReader(new InputStreamReader(connection.getInputStream()));
            String inputLine;
            StringBuilder responseBody = new StringBuilder();

            while ((inputLine = in.readLine()) != null) {
                responseBody.append(inputLine);
            }
            in.close();

            // Print the response body
            System.out.println("Response Body:");
            System.out.println(responseBody.toString());

        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

```
Last-Modified: [Thu, 17 Oct 2019 07:18:26 GMT]
Expires: [Wed, 12 Jun 2024 06:21:39 GMT]
Content-Length: [1256]
Date: [Wed, 05 Jun 2024 06:21:39 GMT]
Age: [473997]
Content-Type: [text/html; charset=UTF-8]
Response Body:
<!doctype html><html><head>    <title>Example Domain</title>    <meta charset="utf-8" />    <meta http-equiv="Content-type" content="text/html; charset=utf-8
```