

```

import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;

import org.json.JSONArray;
import org.json.JSONObject;

public class PublicApiConsumer {

    public static void main(String[] args) {
        try {
            String apiUrl = "https://jsonplaceholder.typicode.com/users";
            URL url = new URL(apiUrl);

            // Create HTTP connection
            HttpURLConnection conn = (HttpURLConnection) url.openConnection();
            conn.setRequestMethod("GET");

            int responseCode = conn.getResponseCode();

            if (responseCode != HttpURLConnection.HTTP_OK) {
                System.out.println("Failed: HTTP error code: " + responseCode);
                return;
            }

            // Read API response
            BufferedReader in = new BufferedReader(new
InputStreamReader(conn.getInputStream()));
            String inputLine;
            StringBuilder jsonResponse = new StringBuilder();

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

            // Parse JSON response
            JSONArray users = new JSONArray(jsonResponse.toString());

            // Display structured data
            System.out.println("User Details:");
            System.out.println("-----");
            for (int i = 0; i < users.length(); i++) {

```

```
JSONObject user = users.getJSONObject(i);
JSONObject address = user.getJSONObject("address");

System.out.println("Name    : " + user.getString("name"));
System.out.println("Username : " + user.getString("username"));
System.out.println("Email    : " + user.getString("email"));
System.out.println("City     : " + address.getString("city"));
System.out.println("-----");
}

} catch (Exception e) {
    e.printStackTrace();
}

}
```