Task 2

```java
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 ApiConsumer {

    private static final String API_URL = "https://jsonplaceholder.typicode.com/posts";

    public static void main(String[] args) {

 try {
        // Create connection
        URL url = new URL(API_URL);

HttpURLConnection conn = (HttpURLConnection) url.openConnection();

conn.setRequestMethod("GET");

        // Check the response code
        int responseCode = conn.getResponseCode();

if (responseCode == HttpURLConnection.HTTP_OK) {

// Read response
            BufferedReader in = new BufferedReader(new
InputStreamReader(conn.getInputStream()));

   String inputLine;

StringBuilder response = new StringBuilder();

            while ((inputLine = in.readLine()) != null) {
               response.append(inputLine);
            }
```

```java
            in.close();

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

            // Display structured output
            for (int i = 0; i < posts.length(); i++) {

JSONObject post = posts.getJSONObject(i);

System.out.println("Post ID: " + post.getInt("id"));

 System.out.println("User ID: " + post.getInt("userId"));

System.out.println("Title: " + post.getString("title"));

 System.out.println("Body: " + post.getString("body"));
                System.out.println(" ");
            }

        } else {
            System.out.println("GET request failed. Response Code: " + responseCode);
        }

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