```
package waping nos;
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;
public class SWAPING {
    private static final String API KEY =
"b6907d289e10d714a6e88b30761fae22";
    private static final String BASE URL =
"https://samples.openweathermap.org/data/2.5/forecast/hourly?q=London,us&
appid=" + API KEY;
    public static void main(String[] args) {
        try {
            BufferedReader br = new BufferedReader(new
InputStreamReader(System.in));
            String input;
            while (true) {
                System.out.println("\nOptions:");
                System.out.println("1. Get weather");
                System.out.println("2. Get Wind Speed");
                System.out.println("3. Get Pressure");
                System.out.println("0. Exit");
                System.out.print("Enter your choice: ");
                input = br.readLine();
                switch (input) {
                    case "1":
                        System.out.print("Enter the date (YYYY-MM-DD):
");
                        String date1 = br.readLine();
                        printWeather(date1);
                        break;
                    case "2":
                        System.out.print("Enter the date (YYYY-MM-DD):
");
                        String date2 = br.readLine();
                        printWindSpeed(date2);
                        break;
                    case "3":
                        System.out.print("Enter the date (YYYY-MM-DD):
");
                        String date3 = br.readLine();
                        printPressure(date3);
                        break;
                    case "0":
                        System.out.println("Exiting the program.");
                    default:
                        System.out.println("Invalid choice. Please try
again.");
                }
        } catch (IOException e) {
```

```
e.printStackTrace();
        }
    }
    private static String fetchDataFromAPI() throws IOException {
        URL url = new URL(BASE URL);
        HttpURLConnection conn = (HttpURLConnection)
url.openConnection();
        conn.setRequestMethod("GET");
        StringBuilder response = new StringBuilder();
        try (BufferedReader br = new BufferedReader(new
InputStreamReader(conn.getInputStream()))) {
            String line;
            while ((line = br.readLine()) != null) {
                response.append(line);
        } finally {
            conn.disconnect();
        return response.toString();
    private static void printWeather(String date) throws IOException {
        String jsonData = fetchDataFromAPI();
        System.out.println("Weather data for " + date + ": " + jsonData);
    private static void printWindSpeed(String date) throws IOException {
        String jsonData = fetchDataFromAPI();
        System.out.println("Wind speed data for " + date + ": " +
jsonData);
    private static void printPressure(String date) throws IOException {
        String jsonData = fetchDataFromAPI();
        System.out.println("Pressure data for " + date + ": " +
jsonData);
    }
```

```
Weather data for 2023-07-26:
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## Options:

- 1. Get weather
- 2. Get Wind Speed
- 3. Get Pressure
- 0. Exit

Enter your choice: