import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.net.HttpURLConnection;

import java.net.URL;

public class CurrencyConverter {

private static final String API\_URL = "https://api.apilayer.com/exchangerates\_data/latest";

private static final String API\_KEY = "YOUR\_API\_KEY"; // Replace with your API key

public static String getExchangeRates(String baseCurrency) throws IOException {

URL url = new URL(API\_URL + "?base=" + baseCurrency);

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

connection.setRequestMethod("GET");

connection.setRequestProperty("Authorization", "Bearer " + API\_KEY);

BufferedReader reader = new BufferedReader(new InputStreamReader(connection.getInputStream()));

StringBuilder response = new StringBuilder();

String line;

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

response.append(line);

}

reader.close();

connection.disconnect();

return response.toString();

}

}

import org.json.JSONObject; // You'll need to include the JSON library in your project

public class CurrencyConverter {

// ... (previous code)

public static double convertCurrency(double amount, String baseCurrency, String targetCurrency) throws IOException {

String ratesJson = getExchangeRates(baseCurrency);

JSONObject ratesObject = new JSONObject(ratesJson);

double conversionRate = ratesObject.getJSONObject("rates").getDouble(targetCurrency);

return amount \* conversionRate;

}

}