```
import twitter4j.Status;
import twitter4j.Twitter;
import twitter4j.TwitterException;
import twitter4j.TwitterFactory;
import twitter4j.auth.AccessToken;
import twitter4j.auth.RequestToken;
import twitter4j.conf.ConfigurationBuilder;
import twitter4j.conf.Configuration;

import java.io.BufferedReader;
import java.io.BufferedWriter;
import java.io.FileWriter;
import java.io.IOException;
import java.io.InputStreamReader;
import java.io.PrintStream;
import java.io.FileOutputStream;

public final class TwitterCreateProperties {

    public static void main(String[] args) {

        ConfigurationBuilder cb = new ConfigurationBuilder();

        cb.setDebugEnabled(true)
        .setOAuthConsumerKey("87phzuHwuARcCwAjgVUYww")
        .setOAuthConsumerSecret("D9AAkdfQcWR04CuU4IL4s3tVLxiijsez276ldayTng");

        try {
            TwitterFactory tf = new TwitterFactory(cb.build());
            Twitter twitter = tf.getInstance();

            try {

                // get request token.
                // this will throw IllegalStateException if access token is
                    already available
                // this is oob, desktop client version
                RequestToken requestToken = twitter.getOAuthRequestToken();

                System.out.println("Got request token.");
                System.out.println("Request token: " + requestToken.getToken());
                System.out.println("Request token secret: " + requestToken.
                    getTokenSecret());

                AccessToken accessToken = null;

                BufferedReader br = new BufferedReader(new InputStreamReader
                    (System.in));

                // while the access token has yet to be generated
                while (null == accessToken) {
                    // prompt the user to visit the authorization URL
                    System.out.println("Open the following URL and grant access
                        to your account:");
                    System.out.println(requestToken.getAuthorizationURL());
                    // prompt the user for the PIN number
```

```
            System.out.print("Enter the PIN and hit enter after you
                granted access. [PIN]:");
            String pin = br.readLine();

            try {
                if (pin.length() > 0) {
                    // if there is a PIN, set the accessToken with the
                        requestToken and the PIN
                    accessToken = twitter.getOAuthAccessToken
                        (requestToken, pin);
                } else {
                    // if there is no PIN, set the accessToken with just
                        the requestToken
                    accessToken = twitter.getOAuthAccessToken
                        (requestToken);
                }

            } catch (TwitterException te) {
                if (401 == te.getStatusCode()) {
                    System.out.println("Unable to get the access token.")
                        ;
                } else {
                    te.printStackTrace();
                }
            }
        }

// produce useful debugging output for the access tokens
        System.out.println("Got access token.");
        System.out.println("Access token: " + accessToken.getToken());
        System.out.println("Access token secret: " + accessToken.
            getTokenSecret());

try {
    // create the new properties file with the oauth keys and tokens
    System.out.println("Writing the properties file");
    BufferedWriter out = new BufferedWriter(new
        FileWriter("twitter4j.properties"));
    out.write("debug=true\n");
    out.write("oauth.consumerKey=87phzuHwuARcCwAjgVUYww\n");

        out.write("oauth.consumerSecret=D9AAkdfQcWR04CuU4IL4s3tVLxiijsez2
        76ldayTng\n");
    out.write("oauth.accessToken=" + accessToken.getToken() + "\n");
    out.write("oauth.accessTokenSecret=" + accessToken.getTokenSecret() +
        "\n");
    out.close();
}

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

}

catch (IllegalStateException ie) {
```

```
                // access token is already available, or consumer key/secret is
                    not set.
                if (!twitter.getAuthorization().isEnabled()) {
                    System.out.println("OAuth consumer key/secret is not set.");
                    System.exit(-1);
                }
            }

        } catch (TwitterException te) {
            te.printStackTrace();
            System.out.println("Failed to get timeline: " + te.getMessage());
            System.exit(-1);
        } catch (IOException ioe) {
            ioe.printStackTrace();
            System.out.println("Failed to read the system input.");
            System.exit(-1);
        }
    }
}
```