

Part 1

Connect to Twitter

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```
package twitterExtractor;
//All the required Imports
import java.io.File;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

import twitter4j.TwitterStream;
import twitter4j.TwitterStreamFactory;
import twitter4j.conf.ConfigurationBuilder;

import weka.core.Instances;
import weka.core.converters.ArffSaver;
import weka.core.converters.CSVLoader;

public class Connector {
    public static void main(String[] args) {
        //Connecting to the MySQL DB
        String databaseURL = "jdbc:mysql://127.0.0.1:3306/?user=root";
        String user = "root";
        String password = "root";
        Connection conn = null;
        try {
            Class.forName("com.mysql.jdbc.Driver");
            conn = DriverManager.getConnection(databaseURL, user,
password);
            if (conn != null) {
                System.out.println("Connected to the database");
            }
        } catch (ClassNotFoundException ex) {
            System.out.println("Could not find database driver class");
            ex.printStackTrace();
        } catch (SQLException ex) {
            System.out.println("An error occurred. Maybe user/password
is invalid");
            ex.printStackTrace();
        }
        //Connecting to Twitter API
        ConfigurationBuilder cb = new ConfigurationBuilder();
        cb.setOAuthConsumerKey("4M6OktxrTvsqgsk7FnMnZffBR")

        .setOAuthConsumerSecret("Rm6h0i9FCHQ6vxFkVXnmI3fnOqudXIZutyxe61ybF1gcEy
hFI5")
        .setOAuthAccessToken("926763703772397570-
37IiLLBbEk101zUDvtmPBVacKbEkCfS").setOAuthAccessTokenSecret("WkPXOXwG56dThkt4
Jc48YfM9ftT9dbcMqiiPjjdBxMyb0o");
    }
}
```

```
        TwitterStream twittFactory = new
TwitterStreamFactory(cb.build()).getInstance();
//Calling TweetListener2
        TweetListener2 list = new TweetListener2(conn);
        twittFactory.addListener(list);
        twittFactory.sample();

    }
}
```