

YOUTUBE REACTIONS IN MUSIC #2

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```
import org. json. JSONException;
import org.json.JSONObject;
import org. json. JSONArray;
import java.io.BufferedReader;
import java.io.File;
import java.io.FileNotFoundException
import java.io.IOException;
import java.io.InputStream;
import java.io.InputStreamReader;
import java.io.PrintWriter;
import java.io.Reader;
import java.net.URL;
import java.nio.charset.Charset;
import java.util.Date;
```

JSON

CSV









```
// Data from user' comment
JSONObject snippet = rec.getJSONObject("snippet");
JSONObject topLevel = snippet.getJSONObject("topLevelComment");
JSONObject snippetComment = topLevel.getJSONObject("snippet");
mainUser = snippetComment.getString("authorDisplayName");
channelUser = snippetComment.getString("authorChannelUrl");
textDisplayComment = snippetComment.getString("textDisplay");
textOriginalComment = snippetComment.getString("textOriginal");
likesMainUser = snippetComment.getInt("likeCount");
publishedDateMainUser = snippetComment.getString("publishedAt");
updatedDateMainUser = snippetComment.getString("updatedAt");
```





```
//Header
sb.append("id");
sb.append(',');
sb.append("Name User");
sb.append(',');
sb.append("Channel User");
sb.append(',');
sb.append("Date Comment");
sb.append(',');
sb.append("Type Comment");
sb.append(',');
sb.append("Text");
sb.append(',');
sb.append("Number_Likes");
sb.append('\n');
```

```
//Binding to CSV file
sb.append(totalComments);
sb.append(',');
sb.append(mainUser);
sb.append(',');
sb.append(channelUser);
sb.append(',');
sb.append(publishedDateMainUser);
sb.append(',');
sb.append("Comment");
sb.append(',');
sb.append(textOriginalComment);
sb.append(',');
sb.append(likesMainUser);
sb.append('\n');
```





```
// New JSON File with new Page Token
            ison = readJsonFromUrl("https://www.googleapis.com/youtube"
                    + "/v3/commentThreads?key=AIzaSyDO5D4za p88J8F-mi4nkBd 9zrDhRz2yM"
                    + "&textFormat=plainText&part=snippet%2Creplies"
                    + "&videoId=-qGbUNQqVNc&maxResults=100&pageToken=" + pageToken);
            pageToken = json.getString("nextPageToken");
            ++pagesCounter;
            System.out.println("---- NEXT PAGE OF COMMENTS: " + pagesCounter +
//If there is no nextPageToken
} catch (Exception e) {
    //Save and close CSV file
    pw.write(sb.toString());
    pw.close();
    //Display recount of pages and total comments (main comments + replies)
    System.out.println("---- RECOUNT OF COMMENTS... ----");
    System.out.println("---- Number of comments' pages:"+ pagesCounter +" ----");
    System.out.println("---- Total comments:"+ totalComments +" ----");
System.out.println("---- END OF THE PROGRAM ----");
```





id, Name User, Channel User, Date Comment, Type Comment, Text, Number Likes 1, Zahira Sandrini, http://www.youtube.com/channel/UCRZzCDoOPsOANrOmDsDe7Sg,2018-10-20T15:03:35.000Z,Comment,Like si no tenes nobio♥,0 2, Cristian Almada, http://www.youtube.com/channel/UCoFXaNHGUAWrPR4lmYlvuCQ, 2018-10-20T15:01:06.000Z, Comment, Like si es la mejor musica 3,Martin Contreras,http://www.youtube.com/channel/UCO5Jalmt0AlwXn7 aOYzsbg,2018-10-20T14:52:43.000Z,Comment,SON DE LOS MEJORES,0 4, Isabella Perez, http://www.youtube.com/channel/UCGB6vPsZe2HYwsW35 Ba66Q,2018-10-20T14:51:27.000Z, Comment, yatra esta en mi corason 5, Estiven AKM, http://www.youtube.com/channel/UCXYJ1-YD58t210VfDLNhISA, 2018-10-20T14:49:16.000Z, Comment, Quiero ir ala yoz kidz pero no 6,erick medina,http://www.youtube.com/channel/UCIJT8HTRdpeuQReB6w9703g,2018-10-20T14:18:51.000Z,Comment,pizza,0 7, martin san martin, http://www.youtube.com/channel/UCx YNI1R8CEGqFvd10IQkmw,2018-10-20T14:18:27.000Z, Comment, Hola Hola a todos { • > • }, 8, Daniel Yave, http://www.youtube.com/channel/UCqvacYNjHvT5kW UuPJsYqQ, 2018-10-20T14:08:16.000Z, Comment, like si guadaña es tu heroe!! 9, DANIEL ALONSO FERNANDEZ, http://www.youtube.com/channel/UCHAUL5fkj5aIOADNEXKciUQ,2018-10-20T13:46:22.000Z, Comment, si me llaman yo l 10, nicole ferreira, http://www.youtube.com/channel/UCYCJ8S6S9m10AJVUEibrekg,2018-10-20T13:37:58.000Z, Comment, que linda cancion,0 11, Andrea Garba, http://www.youtube.com/channel/UCxDFE5BT7vJnUaNxqVEitOA, 2018-10-20T13:29:14.000Z, Comment, ella no tiene novio ya los 12, Constanza Arambulo, http://www.youtube.com/channel/UCiBf93Ggh70xkRiPxJ30aQQ,2018-10-20T13:19:08.000Z, Comment, Ustedes no apoyan a Se 13, nilson 2004, http://www.youtube.com/channel/UCloXSZEDS8-KO-3Is2Xzgdw,2018-10-20T13:15:16.000Z, Comment, me encanto la canción,0 14, Manny Apuhin, http://www.youtube.com/channel/UCUQ7ZBB-Gv6aI5f3EolaDQA, 2018-10-20T13:02:57.000Z, Comment, He is so happy in this video 15, AvAnTYI, http://www.youtube.com/channel/UCl-sWkiyI5c8w0E5suMh8Xg,2018-10-20T12:58:31.000Z,Comment, Alguien me explica el sentido de muy buen cantante, y auuuunque me rei, no entendi nada : D, O 16, Maru Silver Ever, http://www.youtube.com/channel/UCtFk6GfdePJBqBCew9 GscA, 2018-10-20T13:58:41.000Z, Reply to AvAnTYI, Entre ellos se 17, Evelyn Reynoso, http://www.youtube.com/channel/UCtfRwcCN JSKpNdJGLjf7w, 2018-10-20T12:58:04.000Z, Comment, @@@@@@, 0 18, Evelyn Reynoso, http://www.youtube.com/channel/UCtfRwcCN JSKpNdJGLjf7w, 2018-10-20T12:57:45.000Z, Comment, Yo le doy porque ella no 19, Alejandra Avila, http://www.youtube.com/channel/UCMC1E0aaaKnUUMlnltCTdgg, 2018-10-20T12:53:08.000Z, Comment, Eso no es novio es un par 20, Geraldine Rosso, http://www.youtube.com/channel/UCMOrstzefqV5hqCL5V1K Ug, 2018-10-20T12:52:07.000Z, Comment, Te amo Sebastián, 0









```
public String microsoftTranslateToFrench(String text) {
    MicrosoftTranslator translator = new MicrosoftTranslator();
    // Change the id and secret! See <a href="http://msdn.microsoft.com/en-">http://msdn.microsoft.com/en-</a>
us/library/hh454950.aspx.
    translator.setId("dummy-id");
    translator.setSecret("dummy-secret");
    try {
        return translator.translate(text, "fr");
    } catch (Exception e) {
        return "Error while translating.";
```





```
1. Basic usage of org.knallgrau.utils.textcat Text Categorizing Library
* first of all: add this jar to your application's classpath
Example Code:
   import org.knallgrau.utils.textcat.TextCategorizer;
  public class SimpleCategorizer {
     public static void main(String[] args) {
        String category = "please enter a command line argument.";
        TextCategorizer guesser = new TextCategorizer();
        if(args.length > 0) {
           category = guesser.categorize(args[0]);
        System.out.println(category);
```







```
methodDeclarator
    : Identifier '(' formalParameterList? ')' dims?
;
```

```
public class UppercaseMethodListener extends Java8BaseListener {
   private List(String) errors = new ArrayList(>();
   // ... getter for errors
   @Override
    public void enterMethodDeclarator(Java8Parser.MethodDeclaratorContext ctx) {
       TerminalNode node = ctx.Identifier();
        String methodName = node.getText();
        if (Character.isUpperCase(methodName.charAt(0))) {
            String error = String.format("Method %s is uppercased!", methodName);
            errors.add(error);
```





Language Detection API

```
List<Result> results = DetectLanguage.detect("Hello world");
Result result = results.get(0);
System.out.println("Language: " + result.language);
System.out.println("Is reliable: " + result.isReliable);
System.out.println("Confidence: " + result.confidence);
```





```
String htmlifiedText = EmojiUtils.htmlify(text);
// regex to identify html entitities in htmlified text
Matcher matcher = htmlEntityPattern.matcher(htmlifiedText);
while (matcher.find()) {
    String emojiCode = matcher.group();
   if (isEmoji(emojiCode)) {
        emojis.add(EmojiUtils.getEmoji(emojiCode).getEmoji());
                                                                 unny day #sun. Hello my name is Mat #Sweet#Home";
                    String REG_EX_TAG = ".*?\\s(#\\w+).*?";
                    Pattern tagMatcher = Pattern.compile(REG EX TAG);
                    Matcher m = tagMatcher.matcher(YourString);
                    if(m.find())
```

// Whatever you want to do with the tag - store it, print it, etc.

String tag = m.group(1);





3. Possible attributes

ATRRIBUTE	DESCRIPTION
Language	Language from text (Spanish, Latin Spanish, English or Portuguese).
Country	Gotten from greetings.
Reaction	Positive, Negative, Like if, Birthday, Neutral
Emoji	Most emoji used, in UTF-8 code
Element_Video	Guadaña, bailarina, stripper, pool, dance
Minute_Video	Link from minute video, like 00:00 or 0:00
Other_Artist	From competency (Maluma, Natty Natasha, CNCO, Pulse)
Link	Different URLS from other social networks, hashtags and websites
Suggestion	For next music videos (featuring, remix) or concerts
Is_Plagiarism_Song	Yes, No
Is_Commercial	Yes, No

Table 1: Main attributes could be extracted from text to project dataset. Investigated by Candida Rodriguez.







Language Detection API











TO BE CONTINUED...

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