

# Creative Computation Lab

# FINAL PROJECT

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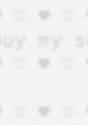


# Twitter API + Node.js



# GOAL

## A motion graphic webpage displays the real-time tweets that contain the word “Love”



# INSPIRATION

# Collective Mood Ring



<http://thecreatorsproject.vice.com/blog/public-art-installation-uses-twitter-analysis-to-create-a-minneapolis-mood-ring>

# INSPIRATION

## Murmur Study



<http://www.inquisitr.com/72659/twitter-as-an-art-installation/>

# First Try

Tweet: I love hearing my name in songs, they make excellent captions.

Tweet: @BabyDyke\_\_ lmao oh I know trust me I was beat everyday from you I felt the love kendra!

Tweet: RT @mrskchan\_xoxo: 外国人loveの人、海外に行きたい人、海外に住みたい人、洋画好きな人、teen洋楽好きな人RT★  
全員フォローします♡ <http://t.co/bvjTFKWNvF>

Tweet: I think I love pineapple the best out of all you twitter jits #jk #someofyallarecool

Tweet: "Girls r sensitive, they over think every little thing en they care the way more than they should, ut that's what makes their love so strong

Tweet: hi ashton! how are youuu? if you see this, could you pretty please follow me? it would mean a lot :) i love you so so much @Ashton5SOS x69

Tweet: Elk steaks and tators for dinner after a hard day ❤️ always love a good meal

Tweet: RT @LillieNicoleMc: Hello Angels I've missed you.I'm so happy!! Wendsday you'll be able to go on ITunes and buy my song! (All is fair in lo...

Tweet: I'm having a love affair with my bed!!

Tweet: We Found Love 류비는 엄빠주의 입니다.

Tweet: Sonando "Stupid Love Story" de @ELCANSERBERO en @alofokeradio por @Power103FM @Matrix104FM <http://t.co/uYNTB44iRs> RT

Tweet: No love lost

Tweet: @jaysean can't wait for your new mixtape!! 😊 love you!! Please come to South Africa soon! ❤️

Tweet: @ramirez\_vickie Happy Birthday My Nigga ! Love Ya Much

Tweet: RT @xlenarodriguez: He's so perfect to me, another reason why I fell in love with him

Tweet: @alkshaa @its0mar7 enti go tweet love stuff pls

Tweet: I wish I could meet Jon so much, just to tell him how much he means to me and how much I respect him. He's my hero and I love him &lt;3

Tweet: RT @BestofCancer: #Cancer is all about love, love, love!

Tweet: maceys lucky i love her

Tweet: RT @wowshekicksass: "It's just so strange. You used to love me, and now you're a stranger who happens to know all of my secrets." - Clement...

Tweet: I actually love bonfire night

Tweet: #NP - Secret Love Affinity on Fri 22nd NOV '13 - on <http://t.co/1N5NVQKyib>

Tweet: Snoop said this in 94 "we don't love em hoes"

Tweet: I love you Kyrah

Tweet: @matthunter123 I'm bored lol can u promise me u will come to Orlando agian? ❤️ I love u babe

Tweet: @kylieisgod love you too xx

# Second Try

localhost:1337

Reader

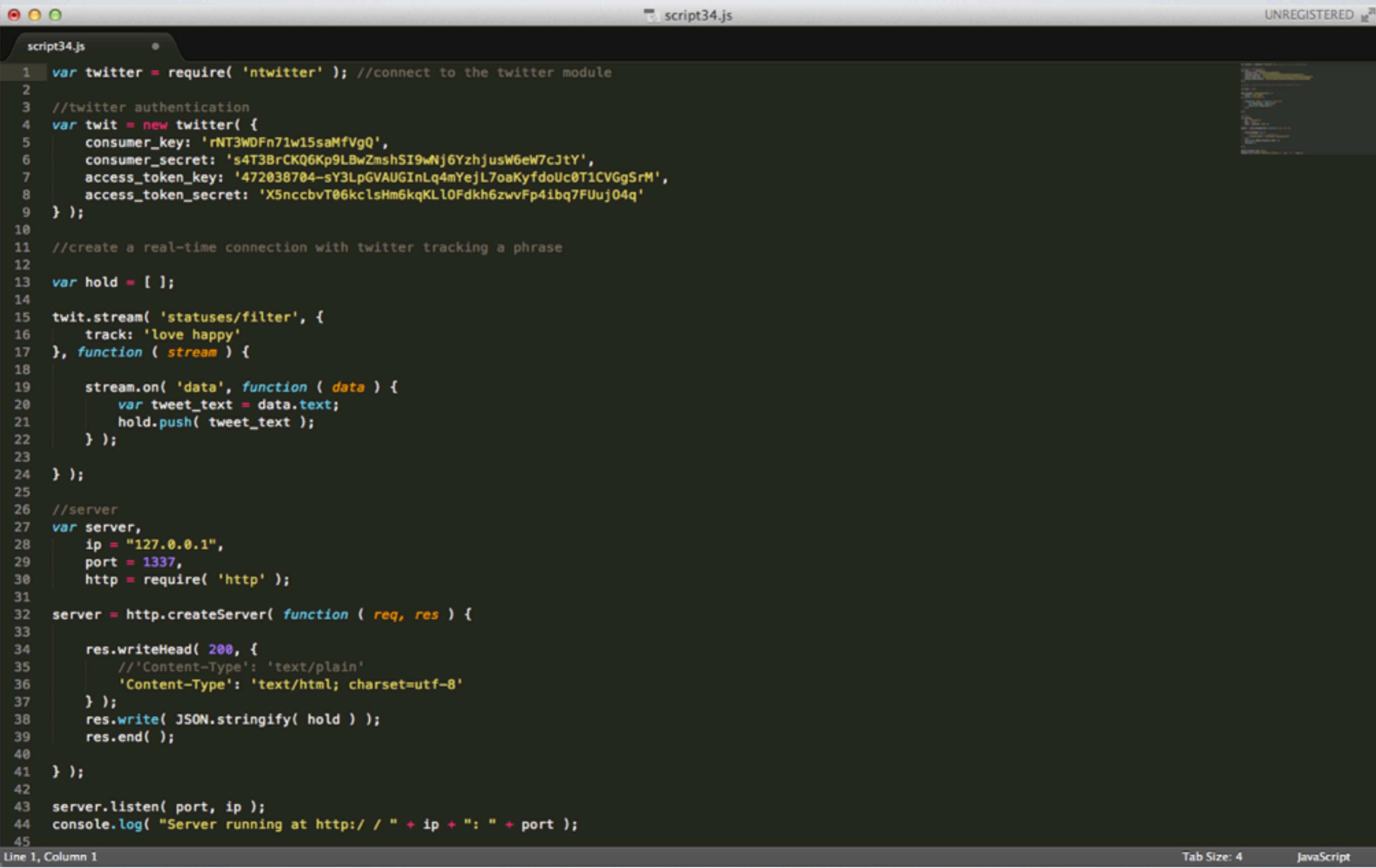
Google Images よみタイム openFrameworks.jp MYParsons MYWeb [pixiv] Plurk Facebook Apple Twitter iCloud Yahoo!

["HAPPY BIRTHDAY MANDA!! miss you. have a good day!! love ya!! 😊😊🎉", "Happy Birthday!!! @MerryneelTomlin love you sm 😊💕 http://t.co/RNJd8DxChf", "Happy birthday @EricaShakal ❤️ love you!! Have a great day! 😊🎂🎁🎉", "I'm happy not believe in love, I won't get hurt", "@justinbieber love u , i know that you'll never see this :c .. but love u so so much ! you make me so happy babe, ur the best ! \*-\*", "Happy Birthday Nat! Love you miss you! 😊❤️😊+'+'❤️❤️❤️", "@natalie\_geis", "Happy Birthday to my wonderful boyfriend and best friend! I love you so much and I can't wait to see... http://t.co/PoRj7J7NpH", "Happy birthday to my other sister @kels\_dude!! I love you oh so much and I hope you have the best day ever!! 😊", "RT @klouisec\_: happy birthday @jordiecantrell love you baby girl 💕💋", "Happy birthday mother 🎂 Thank you for letting me be me and giving me lots of love and happiness! Thank... http://t.co/RZvYe0YhI9", "Happy birthday I love you!! 😊🎂🎁🎉", "@bigak69", "HAPPY BIRTHDAY Baby ko! uuuyyy teenager ka na. love you Baby ko! http://t.co/d4eIbGCXYL on @muzy", "Is it your birthday? Happy birthday!!! God bless and stay cute ok I love uuuu x @nirsinanmani\_ ", "Happy birthday again @sinful\_cxo primaaaaaa , love yaaaaaa 😊😊💕", "RT @rainabhagat: ok so happy birthday @samfernny I literally love you soo much and we were the coolest people I knew in 7th grade 🎉🎉💕 http://t.co/LiEQL9QAbj", "RT @\_legacyy: @Youngg\_Legend happy birthday bffl I love u", "HAPPY BIRTHDAY 🎉🎈 @Mssmooth96 \nLove youu and hope you have the best day ! #turnup http://t.co/LiEQL9QAbj", "RT @alyssarezz: Happy birthday to @hannahtrainor12 and @kyletrainor26 love you guys have a great dayy 💕💕🎉", "Happy Birthday Sami!!! You're 18!! I miss you and love you ❤️❤️ @samigangstaa http://t.co/rZWMfnPWMU", "RT @cody\_coupon: Happy 10 months baby 😊 I love you so much 😊 @amber\_heaton", "HAPPY BIRTHDAY GESLYNE!!! I hope you have a wonderful day bc you deserve it!! Love ya! 🎉🎈🎂", "@GeslyneBarreta", "@marlasongz\_ happy birthday momma marla 💕 miss you & love you & best wishes ! 😊", "RT @morganbazard: Great night tonight! Happy 21st birthday again @jackiecordelll! Hope u had a great time! & enjoyed that soup! 😊😊👍❤️🍷♫♪💕...", "@TheHungerJamess happy birthday mudsyyy :) love you", "RT @zenia\_ahmed: Happy Birthday Lexie,love youu 😊💕 @lexie\_mendez61", "Happy birthday to one of my bffs @Viridianaaa\_12 I love you so much baby 😊💋❤️", "@somerholic HAPPY BIRTHDAY ANDREA! \nLOVE U S O M U C H, HAVE AN AMAZING DAY ON UR SPECIAL DAY, BBY <3", "RT @Foreverr\_krista: @DsimberMunsie happy birthdaay mah niggga 🎉 have s good daaay love ya' 😊", "RT @MonicaBissmeyer: HAPPY BIRTHDAY MENDEZ!! Love you so much!!! 📸 @lexie\_mendez61 http://t.co/RglOjFA7ml", "Photo: bieber-news: ebineverse: Thank you for making Taclobanon's happy. Much love! 😊❤️ @justinbieber... http://t.co/OGcmWJV0jq", "Happy 17th Birthday to my big cousin @\_Im3Playa, hope you have a great one. Love youuu 🎉😊", "RT @\_Angeler: @AdrianaBaybe With much love and adoration Happy birthday! I hope you have the best one yet! HAPPY BIRTHDAY 😊😊😊", "I love how a song can bring back so many happy memories 🙌😊♫", "RT @Roritter\_01: 【授業中】\n私「...ミューズの声が聞こえます」(席を立つ)\n先生「は？」\n私「2000%！」\n友「Hey！」\n私「サイコーなlove」\n友「getyou！」\n私「始まるよ」\n友「jump！」\n私「yes！happyライブ！」\n...,"the true love is what makes you happy!!", "Happy 18th love I hope you have a bomb day miss you tons @alyssa\_jackman 😊😊😊", "RT @DamnSheTall: @JaidaAshleigh Happy Birthday Babygirl 😊 Love you 😊😊😊", "Happy 18 Birthday Irritz 🎉🎁 Hope you have a good one. Tell mom I said hi 🖐 Miss & Love You Guys 😊 @dynamitethatguy http://t.co/DR7Elz1qZO", "Happy Birthday Mani don't let no one ruin your day your so Pretty&don't let anyone tell you different Love you Mani 😊 http://t.co/wvJz2dTz2y", "Happy Birthday @maaacccy !! Have an awesome day :D do some slut dropping ;D love you xxx", "RT @ohheynarry\_: "@DaniellePeazer: Happy Birthday @Real\_Liam\_Payne! I love you xxx http://t.co/xqYG11stiM" sobbing", "HAPPY BIRTHDAY!!!!!!!!!!!!!! omg i cant believe you're 16!!! i love you so much you're the main babe <3 http://t.co/dn2wJyNeaA", "HAPPY BIRTHDAY!!@olivia\_holzberg have a great day girl!! Love you 💕💕", "Happy birthday to my babe @MerryneelTomlin !! I love and miss you so much 😊 hope you have a great day 🎉🎈", "I fucking love a good glass of Orange juice, happy Tuesday!", "\n" "@SEBEBE28: You know it's love when all you want is\nthat person to be happy, even if you're\nnot part of their happiness.\n", "@ipansetiawan\_uuwu happy working love", "Happy birthday to my bucket of sunshine @Mahanoor! ❤ May Allah shower you with health, happiness, success and every good thing. Love you!", "Happy 18th birthday shit head!!! Love you @SodanoT http://t.co/YpG2wObRhN", "RT @zealpost: Don't rush to fall in love, because even in fairy tales. The happy ending takes place on the last page.", "Happy birthday, @MommaTorriero! I hope you're day is as lovely as you are! Love you so much!! :-)\n", "RT @Drakee\_YMCMB: Love is not about sex, going on fancy dates, or showing off. It's about being with a person who makes you happy in a way ...", "RT @kevinke\_V: Happy anniv 3month with my bebiii @leony\_abigail ❤ I love you so muchhhh bebiii ;):p:({})\n", "RT @KaajelB: @hkang\_10 happy birthday kid, I guess I love you 😊🎁🎂 #turndown4whaaat", "Happy birthday dad!!! I love you wherever you are! I love you more than anything pls comebackhome! I miss you!", "RT @Cody\_Edkins7: Happy birthday to my little bro @RoShow11! Hope it's a good one buddy love ya" "hanny birthday @caitlyn\_bailey3 love you ❤️❤️ http://t.co/oP6N6viqOf", "RT @leillaa18: hanny 15th

## Third Try



# Code



```
script34.js  UNREGISTERED script34.js

1 var twitter = require( 'ntwitter' ); //connect to the twitter module
2
3 //twitter authentication
4 var twit = new twitter({
5   consumer_key: 'rNT3WDFn71w15saMfVgQ',
6   consumer_secret: 's4T3BrCKQ6Kp9LBwZmshSI9wNj6YzhjusW6eW7cJtY',
7   access_token_key: '472038704-sY3LpGVAUGInLq4mYeJL7oaKyfdoUc0T1CVGgSrM',
8   access_token_secret: 'X5nccbvT06kclsHm6kqKLl0Fdkh6zwvFp4ibq7FUuj04q'
9 });
10
11 //create a real-time connection with twitter tracking a phrase
12
13 var hold = [ ];
14
15 twit.stream( 'statuses/filter', {
16   track: 'love happy'
17 }, function ( stream ) {
18
19   stream.on( 'data', function ( data ) {
20     var tweet_text = data.text;
21     hold.push( tweet_text );
22   } );
23
24 } );
25
26 //server
27 var server,
28   ip = "127.0.0.1",
29   port = 1337,
30   http = require( 'http' );
31
32 server = http.createServer( function ( req, res ) {
33
34   res.writeHead( 200, {
35     //Content-Type: 'text/plain'
36     'Content-Type': 'text/html; charset=utf-8'
37   } );
38   res.write( JSON.stringify( hold ) );
39   res.end( );
40
41 } );
42
43 server.listen( port, ip );
44 console.log( "Server running at http:// " + ip + ":" + port );
45
```

Line 1, Column 1      Tab Size: 4      JavaScript

# Code

The screenshot shows a code editor window titled "anim.html". The code is an HTML document with embedded JavaScript for animating text on a canvas.

```
1 <head>
2   <title>Tweetx</title>
3     <script type="text/javascript" src="http://ajax.googleapis.com/ajax/libs/jquery/1.4.2/jquery.min.js"></script>
4 </head>
5
6 <body>
7
8 <div style="position:absolute;left:450px;top:200px">
9   <canvas id="canvas1" width="500" height="300"></canvas></div>
10 <script type="text/javascript">
11   var canvas1 = document.getElementById("canvas1");
12   var ctx1 = canvas1.getContext("2d");
13
14   ctx1.fillStyle = "black";
15   ctx1.fillRect(0, 0, 500, 300);
16
17   var i = 0;
18
19   setInterval(function () {
20     ctx1.fillStyle = "rgba(255,255,255,0.05)";
21     ctx1.fillRect(0, 0, 1000, 1000);
22
23     var letters = new Array();
24     letters = ["Tweet", "Tweet", "Tweet", "Love", "Tweet", "Tweet", "Love", "Tweet"];
25
26     i = i + 1;
27     if (i >= 8) {
28       i = 0;
29     }
30
31     ctx1.fillStyle = "rgba(" + (Math.floor(Math.random() * 255)) + "," + (Math.floor(Math.random() * 255)) + "," + (Math.floor(
32       Math.random() * 255)) + ",1)";
33     ctx1.font = ''+ Math.floor(Math.random()*200) +'px sans-serif';
34
35     ctx1.TextAlign = "center";
36     ctx1.textBaseline = "middle";
37     ctx1.fillText(letters[i], Math.random() * 500, Math.random() * 250);
38
39   }, 100);
40 </script>
41 </body>
```

Line 1, Column 1      Spaces: 4      HTML

Is it me alone that would love to hear Tess do Hideaway on The Voice"

ve Muslim Sisters & They Love Muslim Brothers

A Game ?

# REFERENCES

MASTER P's class slides

<https://dev.twitter.com/apps>

<https://dev.twitter.com/docs/api/1.1/post/statuses/filter>

<https://github.com/AvianFlu/ntwitter>

<http://net.tutsplus.com/tutorials/javascript-ajax/learning-serverside-javascript-with-node-js/>

t Sophie?" ... "be yourself...."

" right would invite us to begin the dance." -After The Love Has Gone by Earth Wind & Fire #ClassicSoul

Birthday Kevin! I love you first born Son  <http://t.co/u2dl1Ahle>

Is it me alone that would love to hear Tess do Hideaway on The Voice"

ve Muslim Sisters & They Love Muslim Brothers 🌟

A Game ?

all the little girls tip toe thru in their uggs, I stomp puddles... And might splash them a bit too

please please follow me I'm belieber from Guatemala. I love U <3 SO much .U're my life. please please please follow me.

t a thought... Couldn't fit this into 140 characters. Please read. Love you. <http://t.co/XvrXS75bmq>

paper, she don't need no fuckin' love



# THANK YOU

what you love, whether or not u're gonna get laid :p

orida\_boo\_ at buckheads. I love being able to go places and have a life! 💕💕💕

t Sophie?" ... "be yourself...."

' right would invite us to begin the dance." -After The Love Has Gone by Earth Wind & Fire #ClassicSoul

y Birthday Kevin! I love you first born Son ❤ <http://t.co/u2dltlAhle>