**Tweet Collection.py**

from tweepy import Stream

from tweepy import OAuthHandler

from tweepy.streaming import StreamListener

import time

access\_token = "1548210780-933yQdEdgqShZ9qPStW5zLmAflvX5paIjRUZ6FO"

access\_token\_secret = "oguhW1YQoezEBYNtS4I9cjuRJaAtm1gCZy67fCv0lI7DZ"

consumer\_key= "8qFRWYebcsoYQVehW4LJnk31S"

consumer\_secret = "JB5Zw5k2zfZiv2a2sn2U1x7H44LxnqtOAJCpl4TS4l4fdypOv3"

class listener(StreamListener):

def on\_data(self, data):

try:

saveFile = open('tweets.json','a')

saveFile.write(data)

saveFile.write(', \n')

saveFile.close()

return True

except Except:

print ("failed ondata")

time.sleep(1)

def on\_error(self, status):

print(status)

auth = OAuthHandler(consumer\_key, consumer\_secret)

auth.set\_access\_token(access\_token, access\_token\_secret)

twitterStream = Stream(auth, listener())

twitterStream.filter(track=["kansascitydeals,christmasdeals,dealskc2015,kansascity,kansascity2015,deals,newyeardeals,blackfriday2015,blackfridaydeals2015,targetdeals,kholsdeals,blackfridaydeals,targetdeals2015,kholsdeals2015,macysdeals2015,expressdeals2015,nikedeals2015,addidasdeals2015,gapdeals2015,laptopdeals2015,iphonedeals2015,clothesdeals2015,offers,shoesdeals2015,off,kansascity"])

**Tweetcollection and table storage:**

ysahwanth@ubuntu:~$ cd Desktop

ysahwanth@ubuntu:~/Desktop$ /home/ysahwanth/Desktop/spark-1.5.2-bin-hadoop2.6/bin/spark-shell

Scala> Val df = sqlContext.read.json("/home/ysahwanth/Downloads/yashtweets.json")

scala> df.registerTempTable("table1")

**Sample queries:**

**Example 1:**

scala> val q99= sqlContext.sql("select count(distinct user.id) from table1")

scala> q99.show()

+------+

| \_c0|

+------+

|155779|

+------+

scala> q99.write.format("json").save("/home/ysahwanth/Desktop/q99output.json")

**Example 2:**

scala> val q77= sqlContext.sql("select count(\*) from table1 where id is not null")

scala> q77.show()

+------+

| \_c0|

+------+

|209802|

+------+

scala> q77.write.format("json").save("/home/ysahwanth/Desktop/q77output.json")

**Query1:**

scala> val count = sqlContext.sql("select user.time\_zone,count(\*) as count from table1 where user.time\_zone is not null group by user.time\_zone limit 25")

count: org.apache.spark.sql.DataFrame = [time\_zone: string, count: bigint]

scala> count.show()

+--------------------+-----+

| time\_zone|count|

+--------------------+-----+

| Bern| 254|

| Georgetown| 32|

| CST| 29|

| Guam| 26|

| Asia/Karachi| 1|

| Santiago| 309|

| Sapporo| 18|

| Kuala Lumpur| 362|

|Atlantic/South\_Ge...| 3|

| Abu Dhabi| 44|

| Europe/Paris| 1|

| Sarajevo| 15|

| MST| 7|

| America/Halifax| 5|

| Hanoi| 76|

| Bangkok| 334|

| America/Caracas| 3|

| Helsinki| 26|

| Africa/Johannesburg| 2|

|Eastern Time (US ...|26453|

+--------------------+-----+

only showing top 20 rows

scala> count.write.format("json").save("/home/ysahwanth/Desktop/q1output.json")

**Query2:**

scala>

val df=sqlContext.read.json("/home/ysahwanth/Downloads/yashtweets.json")

scala> df.registerTempTable("table1")

scala> val followers = sqlContext.sql("select user.id,user.name,max(user.followers\_count) as followers\_count from table1 group by user.id,user.name")

scala> followers.registerTempTable("followers")

scala> val followers\_out = sqlContext.sql("select name,followers\_count from followers order by followers\_count desc limit 10")

scala> followers\_out.show()

+------------------+---------------+

| name|followers\_count|

+------------------+---------------+

| NBA| 18065653|

| NFL| 14336118|

| UberFacts| 12305377|

| Premier League| 10073408|

| Google Play| 5720896|

| G-DRAGON| 5021235|

| Hillary Clinton| 4784514|

| The Guardian| 4652658|

| Adam Schefter| 4388350|

|ELLE Magazine (US)| 4384696|

+------------------+---------------+

scala> followers\_out.write.format("json").save("/home/ysahwanth/Desktop/q2output.json")

**Query3:**

scala>

val q3 = sqlContext.sql("select user.screen\_name,count(user.screen\_name) as tweets\_count from table1 group by user.screen\_name order by tweets\_count desc limit 5")

scala> q3.show()

+---------------+------------+

| screen\_name|tweets\_count|

+---------------+------------+

|savetimeandmoey| 306|

| AmexOffers| 301|

| top10us| 258|

| HashTagKCMO| 250|

| ComputerBuying| 207|

+---------------+------------+

scala> q3.write.format("json").save("/home/ysahwanth/Desktop/q3output.json")

**Query4:**

scala> val q4 = sqlContext.sql("select lang,count(\*) as count from table1 where id is not null group by lang order by count desc limit 7")

scala> q4.show()

+----+------+

|lang| count|

+----+------+

| en|197054|

| und| 4312|

| ja| 2850|

| es| 841|

| tl| 806|

| fr| 716|

| pt| 704|

+----+------+

scala> q4.write.format("json").save("/home/ysahwanth/Desktop/q4output.json")

**Query5:**

scala> val deals = sqlContext.sql("select count(\*),'christmasdeals' from table1 where lower(text) like '%christmasdeals%' union select count(\*),'blackfridaydeals' from table1 where lower(text) like '%blackfridaydeals%' union select count(\*),'deals' from table1 where lower(text) like '%deals%'union select count(\*),'2015' from table1 where lower(text) like '%2015%'union select count(\*),'kansascity' from table1 where lower(text) like '%kansascity%'")

scala> deals.show()

+-----+----------------+

| \_c0| \_c1|

+-----+----------------+

| 203|blackfridaydeals|

| 2968| 2015|

| 467| kansascity|

| 9| christmasdeals|

|27174| deals|

+-----+----------------+

scala> deals.write.format("json").save("/home/ysahwanth/Desktop/q5output.json")

**Query6:**

scala> val deals1 = sqlContext.sql("select count(\*) as tot,'offers' as deal\_name from table1 where lower(text) like '%offers%' union select count(\*) as tot ,'off' as deal\_name from table1 where lower(text) like '%off%' union select count(\*) as tot,'deals' as deal\_name from table1 where lower(text) like '%deals%'")

scala> deals1.registerTempTable("table2")

scala> val deals = sqlContext.sql("select (tot/total\_cnt)\*100 as tweets\_percentage,deal\_name from table2 join count\_table")

scala> deals.show()

+------------------+---------+

| tweets\_percentage|deal\_name|

+------------------+---------+

|40.216510718938764| off|

| 6.437048442496743| deals|

| 1.571242449366339| offers|

+------------------+---------+

scala> deals.write.format("json").save("/home/ysahwanth/Desktop/q6output.json")

**Query7:**

scala> val tweet\_time = sqlContext.sql("select count(\*),substr(from\_unixtime(timestamp\_ms),13,2) from table1 where timestamp\_ms is not null group by substr(from\_unixtime(timestamp\_ms),13,2)")

scala> tweet\_time.show()

+----+---+

| \_c0|\_c1|

+----+---+

|8416| 00|

|8710| 01|

|8951| 02|

|8718| 03|

|8783| 04|

|8775| 05|

|8831| 06|

|8670| 07|

|8867| 08|

|8905| 09|

|8895| 10|

|8705| 11|

|8728| 12|

|8864| 13|

|8841| 14|

|8875| 15|

|8681| 16|

|8695| 17|

|8659| 18|

|8540| 19|

+----+---+

only showing top 20 rows

scala> tweet\_time.write.format("json").save("/home/ysahwanth/Desktop/q7output.json")

**Query8:**

scala> val df=sqlContext.read.json("/home/ysahwanth/Downloads/yashtweets.json")

scala> df.registerTempTable("table1")

scala> val tweet\_followers\_count = sqlContext.sql("select user.followers\_count,user.screen\_name from table1 as t1 join (select max(user.followers\_count)as max\_followers from table1) as t2 on user.followers\_count=t2.max\_followers")

scala> tweet\_followers\_count.show()

+---------------+-----------+

|followers\_count|screen\_name|

+---------------+-----------+

| 18065653| NBA|

+---------------+-----------+

scala> tweet\_followers\_count.write.format("json").save("/home/ysahwanth/Desktop/q8output.json")

**Query9:**

scala> val test= sqlContext.sql("select created\_at,count(created\_at) as count from table1 where id is not null group by created\_at order by count desc limit 15 ")

scala> test.show()

+--------------------+-----+

| created\_at|count|

+--------------------+-----+

|Sun Nov 29 23:44:...| 85|

|Sun Nov 29 23:46:...| 81|

|Mon Nov 30 00:44:...| 80|

|Mon Nov 30 01:34:...| 79|

|Mon Nov 30 00:42:...| 78|

|Sun Nov 29 23:43:...| 76|

|Sun Nov 29 23:44:...| 76|

|Sun Nov 29 23:40:...| 75|

|Sun Nov 29 23:55:...| 74|

|Sun Nov 29 23:35:...| 73|

|Mon Nov 30 00:04:...| 73|

|Mon Nov 30 00:21:...| 73|

|Mon Nov 30 00:40:...| 72|

|Mon Nov 30 00:43:...| 72|

|Mon Nov 30 00:48:...| 72|

+--------------------+-----+

scala> test.write.format("json").save("/home/ysahwanth/Desktop/testoutput.json")

**Query1.HTML**

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<html>

<head>

<title>Query 1</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>

<script src="http://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<div id="container" style="min-width: 300px; height: 400px; margin: 0 auto"></div>

<script src="query1.json" ></script>

<script>

// alert(temp);

var out=JSON.parse(temp);

// alert(out);

</script>

<script>

$(function () {

$('#container').highcharts({

chart: {

plotBackgroundColor: null,

plotBorderWidth: null,

plotShadow: false,

type: 'pie'

},

title: {

text: 'Tweets according to region'

},

tooltip: {

pointFormat: '{series.name}: <b>{point.percentage:.1f}%</b>'

},

plotOptions: {

pie: {

allowPointSelect: true,

cursor: 'pointer',

dataLabels: {

enabled: true,

format: '<b>{point.name}</b>: {point.percentage:.1f} %',

style: {

color: (Highcharts.theme && Highcharts.theme.contrastTextColor) || 'black'

}

}

}

},

series: [{

name: "Region",

colorByPoint: true,

data: out

}]

});

});

</script>

</body>

</html>

**Query2.HTML**

<!DOCTYPE html>

<!--

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To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<html>

<head>

<title>Query 2</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>

<script src="http://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<div id="container" style="min-width: 300px; height: 400px; margin: 0 auto"></div>

<script src="query2.json" ></script>

<script>

// alert(temp);

var out=JSON.parse(temp);

// alert(out);

</script>

<script>

$(function () {

$('#container').highcharts({

chart: {

type: 'column'

},

title: {

text: 'Highest Followers'

},

subtitle: {

text: 'Tweeted users with highest followers'

},

xAxis: {

type: 'category',

labels: {

rotation: -45,

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

},

yAxis: {

min: 0,

title: {

text: 'Followers count'

}

},

legend: {

enabled: false

},

tooltip: {

pointFormat: 'count: <b>{point.y:.1f} number </b>'

},

series: [{

name: 'Followers Count',

data: out,

dataLabels: {

enabled: true,

//rotation: -90,

color: '#FFFFFF',

align: 'right',

format: '{point.y:.1f}', // one decimal

y: 10, // 10 pixels down from the top

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

}]

});

});

</script>

</body>

</html>

**Query3.HTML**

<!DOCTYPE html>

<!--

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and open the template in the editor.

-->

<html>

<head>

<title>Query 4 </title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>

<script src="http://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<div id="container" style="min-width: 300px; height: 400px; margin: 0 auto"></div>

<script src="query3.json" ></script>

<script>

// alert(temp);

var out=JSON.parse(temp);

// alert(out);

</script>

<script>

$(function () {

$('#container').highcharts({

chart: {

type: 'column'

},

title: {

text: 'Highest tweet count'

},

subtitle: {

text: 'User with highest tweets'

},

xAxis: {

type: 'category',

labels: {

rotation: -45,

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

},

yAxis: {

min: 0,

title: {

text: 'Tweet count by user'

}

},

legend: {

enabled: false

},

tooltip: {

pointFormat: 'count: <b>{point.y:.1f} number </b>'

},

series: [{

name: 'Tweets Count',

data: out,

dataLabels: {

enabled: true,

//rotation: -90,

color: '#FFFFFF',

align: 'right',

format: '{point.y:.1f}', // one decimal

y: 10, // 10 pixels down from the top

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

}]

});

});

</script>

</body>

</html>

**Query4.HTML**

<!DOCTYPE html>

<!--

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To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<html>

<head>

<title>Query 1</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>

<script src="http://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<div id="container" style="min-width: 300px; height: 400px; margin: 0 auto"></div>

<script src="query4.json" ></script>

<script>

// alert(temp);

var out=JSON.parse(temp);

// alert(out);

</script>

<script>

$(function () {

$('#container').highcharts({

chart: {

type: 'column'

},

title: {

text: 'Highest tweeted language'

},

subtitle: {

text: 'Language having highest tweets'

},

xAxis: {

type: 'category',

labels: {

rotation: -45,

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

},

yAxis: {

min: 0,

title: {

text: 'Tweet count by language'

}

},

legend: {

enabled: false

},

tooltip: {

pointFormat: 'count: <b>{point.y:.1f} number </b>'

},

series: [{

name: 'Highest tweeted language ',

data: out,

dataLabels: {

enabled: true,

//rotation: -90,

color: '#FFFFFF',

align: 'right',

format: '{point.y:.1f}', // one decimal

y: 10, // 10 pixels down from the top

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

}]

});

});

</script>

</body>

</html>

**Query5.HTML**

<!DOCTYPE html>

<!--

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and open the template in the editor.

-->

<html>

<head>

<title>Query 5</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>

<script src="http://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<div id="container" style="min-width: 300px; height: 400px; margin: 0 auto"></div>

<script src="query5.json" ></script>

<script>

//alert(temp);

var out=JSON.parse(temp);

// alert(out);

</script>

<script>

$(function () {

$('#container').highcharts({

chart: {

plotBackgroundColor: null,

plotBorderWidth: null,

plotShadow: false,

type: 'pie'

},

title: {

text: 'Tweets according to given hashtags'

},

tooltip: {

pointFormat: '{series.name}: <b>{point.percentage:.1f}%</b>'

},

plotOptions: {

pie: {

allowPointSelect: true,

cursor: 'pointer',

dataLabels: {

enabled: true,

format: '<b>{point.name}</b>: {point.percentage:.1f} %',

style: {

color: (Highcharts.theme && Highcharts.theme.contrastTextColor) || 'black'

}

}

}

},

series: [{

name: "hash tag",

colorByPoint: true,

data: out

}]

});

});

</script>

</body>

</html>

**Query6.HTML**

<!DOCTYPE html>

<!--

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and open the template in the editor.

-->

<html>

<head>

<title>Query 6</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>

<script src="http://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<div id="container" style="min-width: 300px; height: 400px; margin: 0 auto"></div>

<script src="query6.json" ></script>

<script>

//alert(temp);

var out=JSON.parse(temp);

// alert(out);

</script>

<script>

$(function () {

$('#container').highcharts({

chart: {

plotBackgroundColor: null,

plotBorderWidth: null,

plotShadow: false,

type: 'pie'

},

title: {

text: 'Tweets count % by deals'

},

tooltip: {

pointFormat: '{series.name}: <b>{point.percentage:.1f}%</b>'

},

plotOptions: {

pie: {

allowPointSelect: true,

cursor: 'pointer',

dataLabels: {

enabled: true,

format: '<b>{point.name}</b>: {point.percentage:.1f} %',

style: {

color: (Highcharts.theme && Highcharts.theme.contrastTextColor) || 'black'

}

}

}

},

series: [{

name: "tweet %",

colorByPoint: true,

data: out

}]

});

});

</script>

</body>

</html>

**Query7.HTML**

<!DOCTYPE html>

<!--

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and open the template in the editor.

-->

<html>

<head>

<title>Query 7</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>

<script src="http://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<div id="container" style="min-width: 300px; height: 400px; margin: 0 auto"></div>

<script src="query7.json" ></script>

<script>

// alert(temp);

var out=JSON.parse(temp);

// alert(out);

</script>

<script>

$(function () {

$('#container').highcharts({

chart: {

type: 'column'

},

title: {

text: 'Hourly based tweets'

},

subtitle: {

text: 'Tweet count by hour'

},

xAxis: {

type: 'category',

labels: {

rotation: -45,

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

},

yAxis: {

min: 0,

title: {

text: 'Tweet count by hour'

}

},

legend: {

enabled: false

},

tooltip: {

pointFormat: 'count: <b>{point.y:.1f} number </b>'

},

series: [{

name: 'Hour based tweet count',

data: out,

dataLabels: {

enabled: true,

//rotation: -90,

color: '#FFFFFF',

align: 'right',

format: '{point.y:.1f}', // one decimal

y: 10, // 10 pixels down from the top

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

}]

});

});

</script>

</body>

</html>

**Query8.HTML**

<!DOCTYPE html>

<!--

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To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<html>

<head>

<title>Query 8</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>

<script src="http://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<div id="container" style="min-width: 300px; height: 400px; margin: 0 auto"></div>

<script src="query8.json" ></script>

<script>

// alert(temp);

var out=JSON.parse(temp);

// alert(out);

</script>

<script>

$(function () {

$('#container').highcharts({

chart: {

type: 'column'

},

title: {

text: 'Highest Followers'

},

subtitle: {

text: 'Tweeted users with highest followers'

},

xAxis: {

type: 'category',

labels: {

rotation: -45,

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

},

yAxis: {

min: 0,

title: {

text: 'Followers count'

}

},

legend: {

enabled: false

},

tooltip: {

pointFormat: 'count: <b>{point.y:.1f} number </b>'

},

series: [{

name: 'Followers Count',

data: out,

dataLabels: {

enabled: true,

//rotation: -90,

color: '#FFFFFF',

align: 'right',

format: '{point.y:.1f}', // one decimal

y: 10, // 10 pixels down from the top

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

}]

});

});

</script>

</body>

</html>

**Query9.HTML**

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<html>

<head>

<title>Query 9</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>

<script src="http://code.highcharts.com/highcharts.js"></script>

<script src="https://code.highcharts.com/modules/exporting.js"></script>

<div id="container" style="min-width: 300px; height: 400px; margin: 0 auto"></div>

<script src="query9.json" ></script>

<script>

// alert(temp);

var out=JSON.parse(temp);

// alert(out);

</script>

<script>

$(function () {

$('#container').highcharts({

chart: {

type: 'column'

},

title: {

text: 'Tweet count'

},

subtitle: {

text: 'Tweet count by time(min:sec)'

},

xAxis: {

type: 'category',

labels: {

rotation: -45,

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

},

yAxis: {

min: 0,

title: {

text: 'tweets count'

}

},

legend: {

enabled: false

},

tooltip: {

pointFormat: 'count: <b>{point.y:.1f} number </b>'

},

series: [{

name: 'tweets Count',

data: out,

dataLabels: {

enabled: true,

//rotation: -90,

color: '#FFFFFF',

align: 'right',

format: '{point.y:.1f}', // one decimal

y: 10, // 10 pixels down from the top

style: {

fontSize: '13px',

fontFamily: 'Verdana, sans-serif'

}

}

}]

});

});

</script>

</body>

</html>

**Tweetcollection project**

<html>

<head>

<title>TweetCollection Based on Deals</title>

<style>

body {background-color:lightblue}</body>

</style>

</head>

<body>

<h1>Different Types Of Queries Performed On The Tweets Collected</h1>

<img src="Twitter.jpg" alt="centre" style="width:304px;height:228px;"> <br>

<button type="button"><a href="file:///C:/Users/yaswanth/Desktop/PB%20outputs/query1.html">Region with max tweets </a></button><br><br>

<button type="button"><a href="file:///C:/Users/yaswanth/Desktop/PB%20outputs/query2.html">User with highest followers</a></button><br> <br>

<button type="button"><a href="file:///C:/Users/yaswanth/Desktop/PB%20outputs/query3.html">Highest tweeted user </a></button><br> <br>

<button type="button"><a href="file:///C:/Users/yaswanth/Desktop/PB%20outputs/query4.html">Highest tweeted language</a></button><br> <br>

<button type="button"><a href="file:///C:/Users/yaswanth/Desktop/PB%20outputs/query5.html">Tweet count</a></button><br> <br>

<button type="button"><a href="file:///C:/Users/yaswanth/Desktop/PB%20outputs/query6.html">Percentage of deals</a></button><br> <br>

<button type="button"><a href="file:///C:/Users/yaswanth/Desktop/PB%20outputs/query7.html">Tweets based on hour</a></button><br> <br>

<button type="button"><a href="file:///C:/Users/yaswanth/Desktop/PB%20outputs/query8.html">Highest followers</a></button><br> <br>

<button type="button"><a href="file:///C:/Users/yaswanth/Desktop/PB%20outputs/query9.html">Tweets according to time</a></button><br> <br>

</form>

</body>

</html>