

**BACKEND DEVELOPER**  
**(48 Hours)**

## Problem Statement

All brands are really concerned about the traction they receive on Twitter from their customers. They want to analyze the amount of engagement they receive from their followers. Engagement is nothing but the sum of the number of favourites and number of retweets they have received from their followers.

We want you to build an API service that will fetch this engagement score for the tweets of a particular public Twitter handle in the last 7 days. You need to fetch the following details and return the JSON object in the response that will have the following fields:

1. List of tweets in the last 7 days with the following information:
  - a. Tweet Url
  - b. Engagement Score = Favourites + Retweets
2. Total tweets captured in the last 7 days
3. Total engagement score of all the above tweets

Please note that the response should be a proper JSON that can be parsed correctly by any online JSON parser.

You will have to configure the Twitter App in your project. The app can be in sandbox mode, but we should be able to run and test it.

## Example:

The API call will be a simple HTTP GET request like this:

```
curl -XGET "http://localhost:8080/narendramodi"
```

Sample response could be something like this:

```
{
  "tweets" : [
    {
      "url" :
      "https://twitter.com/narendramodi/status/1415922437305212930",
      "engagement" : 25768
    },
    {
      "url" :
      "https://twitter.com/narendramodi/status/1415678118015102982",
      "engagement" : 25768
    }
  ],
  "tweetsfetched" : 123,
  "totalengagament" : 23473673654
}
```

## How will you submit the solution to the above problem?

Create a public code repository and commit your code over there. Send the link on email to Manali. We will schedule a call with you to see it's demo and discuss your code with

you. Please note that we are looking at original code rather than something that has been picked up from somewhere.