Twitter Text Capture Analysis  
  
1) How does the program work?  
A. The program uses the twitter development api keys for authentication and authorization of a user via the tweepy library.  
Once that is authenticated the input provided to tweepy is the twitter search keyword, from-to date and the number of tweets needed.  
After that tweepy calls the twitter API and gets the tweet information and stores the details in a textfile with the name of the search provided.

2) How do you think you can use this code?  
A. This code can be referred and used for any twitter API consumption.  
   
3) Can you think of different scenarios where this code could be used for data collection?  
A. This code can be used for different data collection depending upon the requirement.  
For eg. Instagram, Facebook,Google,Amazon.  
We want to analyse the products that are sold by Amazon.  
We can get the details and then accordingly work on the data.

Steps for running the code :

1. Download PyCharm for respective OS installed on your machine (Mine was 64 bit)  
2. Download Python on your machine.(Setup the interpreter of Python in Pycharm)  
 I downloaded 3.7 version I faced the issue with the tweepy library because of the async keyword, I had to manually replace it to async\_ as this is the change in 3.6 to 3.7 version of Python  
3. Request the access for twitter development API on twitter website.  
4. A explanation for access of twitter development API is sent by twitter.  
5. Explain the need of the API ( After several attempts of Question and answers I replied with the assignment details and my request was approved).  
6. Once the access to development API is approved, create a twitter app on twitter.  
7. Once that is done we will get the required access and secret keys.  
8. Run the program and fill the necessary inputs.  
9. The output file is generated.  
   
  
For the Challenge questions :

1.First analyse the data of the output file.  
2. Parse the data   
3. After that according to the questions implement the logic for getting the desired output.