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Lab Report

Lab 1 – Option A(Reddit Comments)

**Introduction :**

In this lab the main concept that was meant to achieve is to traverse through the comments from the Reddit url and to separate them into negative, neutral, positive comments separated by a list.

**Proposed Solution design and implementation:**

The way I started solving the problem was first making the account for reddit to be able to access the comments and the program could read them. To do this I made a variable called comments that referred to the method get\_submission\_comments and place the url where the comments came from. The traversal method we are using preoder because we are calling the first root and then going to the left of that root. At first what I have to is the list, for each of the following categories which is the line where each array is created.( negative\_comments\_list = [] ). Once that is done, then I created a method called Process\_comments and in that method what was first done was that it would change the comments into values that the code would be able to recognize if it was negative neutral or positive.(Positive = get\_text\_positive\_proba) this method was already done previously in the program given. Then I would have to compare the comments that where already transformed into values and then in the method they would go through the if and else statements to add them to the list that they are supposed to be entered in. After doing all the if and else statements I called the method again to recursively call the right side and the left side. Finally in the main method I would call the method process\_comments to execute the method and print the negative , neutral, and positive number of comments to output.

**Experimental Results :**

One experimental motion that can be done in the code is change the url so another comments can be inserted in the code and it should do the same process as it is with the other comments in Reddit.

**Conclusion:**

In the process of making the code I learned how properly use recursive in a method and how it iterates through all the elements such as the comments in this case. Also when needing help I went to our head TA (Oscar) which also made me understand how the comments where printing out and from there I figured out how to move on in the process.

**Appendix:**

<https://github.com/abpena/abpena>