Before writing the code, we did a basic brainstorming session of what we could do to achieve our goal. We decided that we can achieve the output of our code by incrementation and decrementation of a particular variable that then we can measure the inequality of. But we encountered some major setbacks during our implementation of the code

During the making of the code, one of the first problems we encountered was of the implementation of "but" statement or similar words like that.

To overcome this problem, we made it that if the keyword is present in our sentence, then break it into before but and after but. After breaking it into parts we checked if the before but and after but contained any positive words that were stored in our vector poswords.

we then measured their weightage by comparing it and printed the required output accordingly.

for example: " **I was sad this past few weeks but right now I feel happy!**" this was originally supposed to print neutral, but after the implementation of but condition, it breaks it into before and after keyword "but" and measures their sentiment separately.

Next difficulty we encountered was of of the "not" condition that if out string contains the keyword "not" and it didn't had and keyword from the vector butcond then we inverse the sentiment that was originally to be printed.

for example: "**I am not happy**" was originally supposed to print positive sentiment, but after the implementation of the "not" condition it reversed the sentiment and prints negative instead.

After the implementation of the required setbacks, we successfully created our Sentiment Analysis. We will admit that it’s not perfect as achieving perfect sentiment without machine learning or having all the positive words and negative word in English vocabulary is nearly impossible. But a basic model of a Sentiment Analysis has been made.