SENTIMENT ANALYSIS OF COMPANY REVIEWS

BY

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OBJECTIVE: The objective of the project is to predict overall sentiment score of the company reviews.
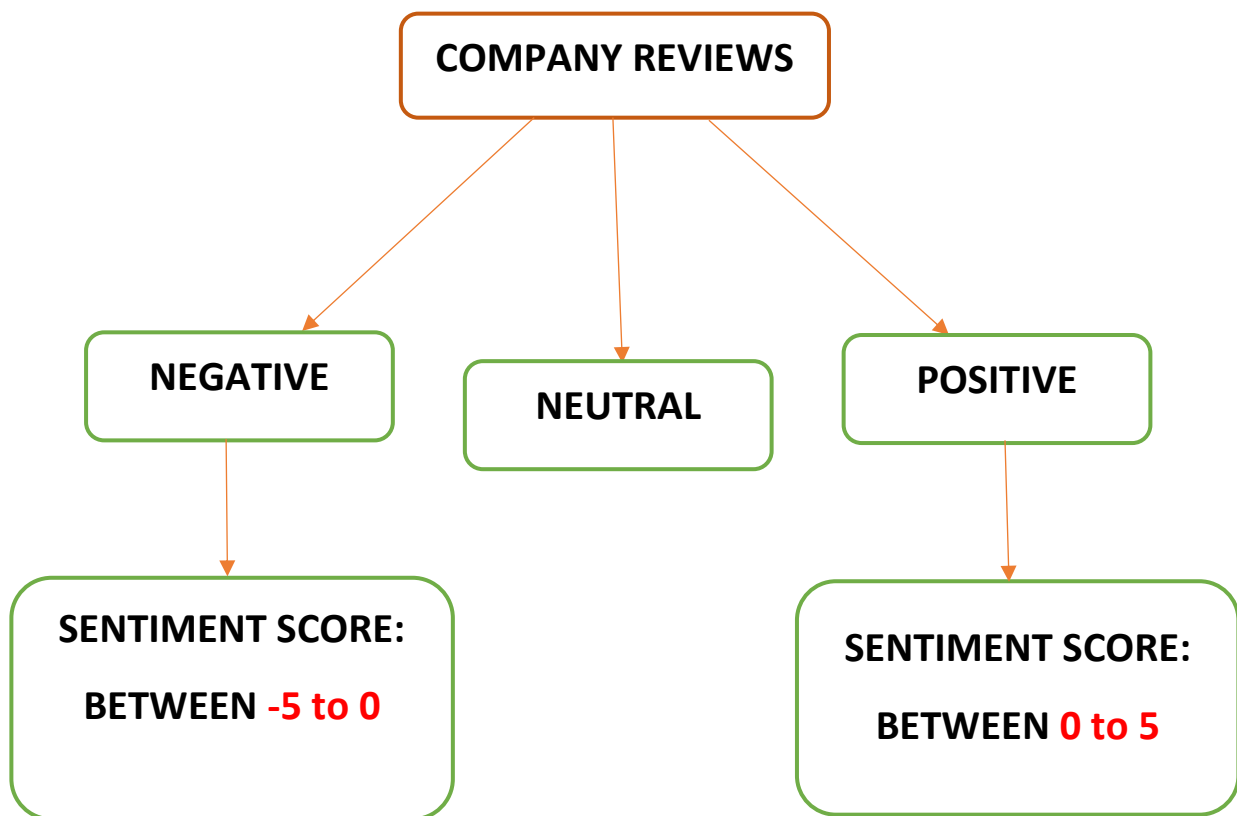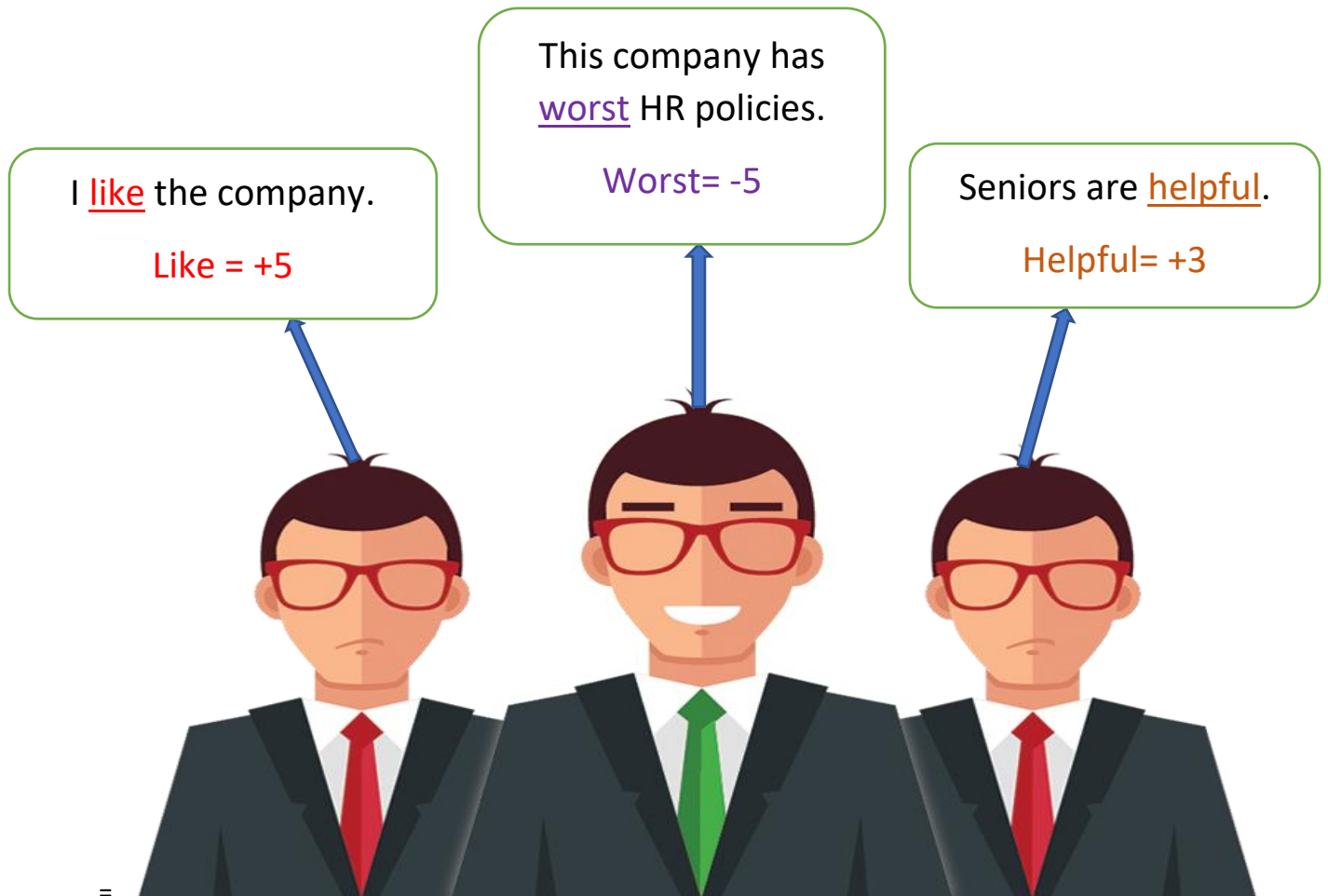
COMPANY REVIEWS

NEGATIVE

NEUTRAL

POSITIVE

SENTIMENT SCORE:

BETWEEN -5 to 0

SENTIMENT SCORE:

BETWEEN 0 to 5

Figure1 : Sentiment Analysis of company reviews

EXAMPLE: Employees from XYZ company

This company has worst HR policies.

Worst= -5

I like the company.

Like = +5

Seniors are helpful.

Helpful= +3

=

OVERALL SENTIMENT SCORE OF XYZ COMPANY= +5-5+3 = +3 (POSITIVE)

IMPORTANT TERMS:

NLP(NATURAL LANGUAGE PROCESSING): It is an area of computer science and artificial intelligence concerned with the interactions between computers and human (natural) languages, in particular how to program computers to process and analyse large amounts of natural language data

SENTIMENT ANALYSIS: Sentiment Analysis is the process of determining whether a piece of writing is positive, negative or neutral. It's also known as opinion mining, deriving the opinion or attitude of a speaker.

AFINN-111 DICTIONARY: AFINN is a list of English words rated for valence with an integer between minus five (negative) and plus five (positive).

IMPLEMENTATION:

1. USING DICTIONARY (AFINN-111):

Figure2. Using the AFINN-111 Dictionary

2. USING SERVER SIDE PROGRAMMING:
ADVANTAGES:

It can be used for larger datasets.

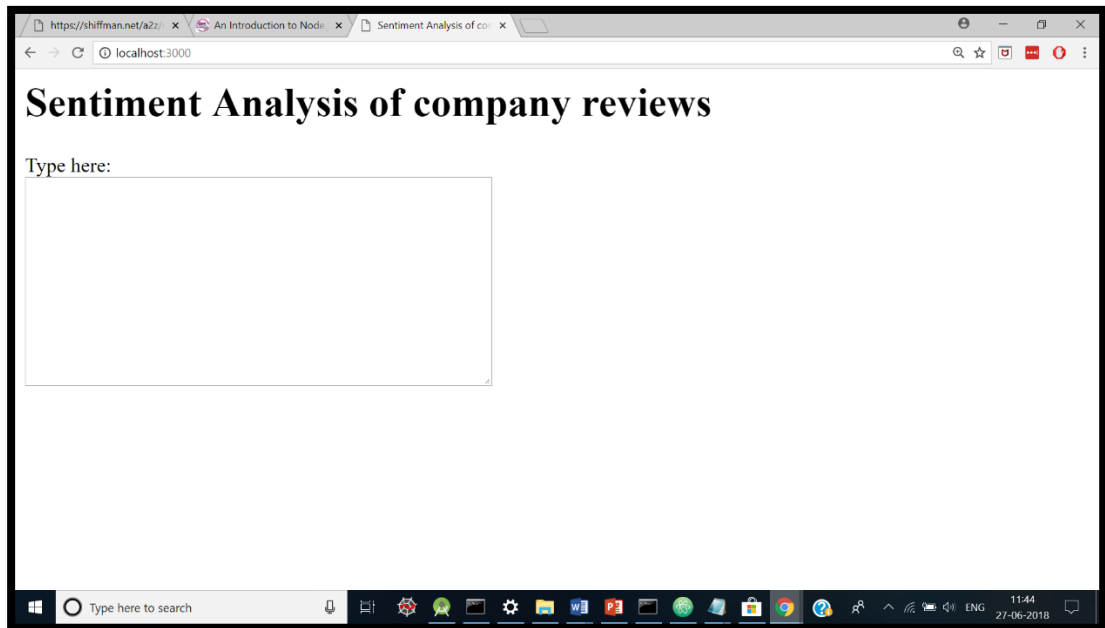It can be used in saving the data.

3. HOSTING IT ON HTTPS SERVER:

Figure3. Hosting it on HTTPS server

4. SENTIMENT ANALYSIS OF TEXT:

Figure4. Sentiment Analysis of text

SOFTWARE USED:

1. NODE.JS
2. ATOM EDITOR

REFERENCES:

https://shiffman.net/a2z/node-api/

https://atom.io/

https://p5js.org/