AIWIR Lab Week 2 <u>Team-8</u>

Team members:

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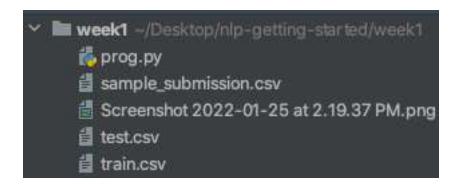
Dataset: https://www.kaggle.com/c/nlp-getting-started/data?select=train.csv

Tasks:

- → Tokenize each Tweet into sentences
- → Tokenize each tweet into words
- → Remove stopwords in each tweet NLTK library

Tool used: Pycharm

- → It is installed on the computer.
- → The dataset is downloaded and added to the folder where the main program exists
- → Project is created in Pycharm by opening a folder containing the dataset.
- → Required modules are installed.



Code:

```
import nltk
nltk.download('punkt')
nltk.download('omw-1.4')
nltk.download('stopwords')
from nltk.tokenize import word tokenize
from nltk.corpus import stopwords
from nltk.stem import WordNetLemmatizer
nltk.download('wordnet')
stop words=set(stopwords.words('english'))
#using stemming-TEXT NORMALIZATION
file='train.csv'
filer=open(file,"r",encoding="utf-8")
text=filer.read()
text=text.replace("\n"," ")
#tokenizing words
word tokens = word tokenize(text)
filtered sentence = []
symbols=[':','/',',','"','(',')','@','?',';','//','#','!','&','$','%','*','...
for w in word tokens:
print("The text after stemming" )
Stem words = []
ps = PorterStemmer()
for w in filtered sentence:
lemma word = []
wordnet lemmatizer = WordNetLemmatizer()
```

Output:

