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**Text Preprocessing :**

“Dear Sir, SEEKING YOUR IMMEDIATE ASSISTANCE.

Please permit me to make your acquaintance in so informal a manner.

My name is. DAN PATRICK of the Democratic Republic of Congo and One of the close aides to the former President of the Democratic Republic of Congo LAURENT KABILA of blessed memory, may his soul rest in peace.”

Word stemming

* Aides -> aide
* Informal -> formal
* Seeking -> seek

Lemmatization :

* Blessed -> bless

**Works :**

“Dear Sir, SEEK YOUR IMMEDIATE ASSISTANCE.

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My name is. DAN PATRICK of the Democratic Republic of Congo and One of the close aides to the former President of the Democratic Republic of Congo LAURENT KABILA of blessed memory, may his soul rest in peace.”

Red = stop word so delete

Blue = upper to lower

Yellow mark = delete follow by stop word list

**Result :**

dear sir seek immediate assistance

please permit make acquaintance informal manner

name dan patrick of the democratic republic congo one close aide former president democratic republic congo laurent kabila bless memory may soul rest peace

**References :**

MySQL stop words list

<https://www.ranks.nl/stopwords>

**Standard Scaling :**

Input : [28,35,26,32,28,28,35,34,46,42,37]

Mean : 33.73

Standard deviation : 5.99

Standart score :

[-0.95674436 0.21260986 -1.29084557 -0.28854195 -0.95674436 -0.95674436 0.21260986 0.04555926 2.05016649 1.38196408 0.54671107]

Student who got 26 is score F

import numpy as np  
score = np.array([28,35,26,32,28,28,35,34,46,42,37])  
  
print('Mean score : ','%.2f'%score.mean())  
#by using numpy class's method get standard deviation  
print('Standard deviation : ','%.2f'%score.std())  
std\_score =(score-score.mean())/score.std()  
#save each index's standard score  
print(std\_score)  
  
result = 0  
#get index sequence number  
for i in range(0,len(std\_score)):  
 if std\_score[i]<-1:  
 result = i  
 #get out range index number  
  
print('student who get ',score[result],' is F')

**Result screen shot :**

