

# Information Retrieval Report

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< brutus , 3 :

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< caesar , 5 :

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>

# Term Frequency

	1	2	3	4	5	6	7	8	9	10
angels	0	0	0	0	0	0	1	1	1	0
antony	1	1	0	0	0	1	0	0	0	0
brutus	1	1	0	1	0	0	0	0	0	0
caesar	1	1	0	1	1	1	0	0	0	0
calpurnia	0	1	0	0	0	0	0	0	0	0
cleopatra	1	0	0	0	0	0	0	0	0	0
fear	0	0	0	0	0	0	1	1	0	1
fools	0	0	0	0	0	0	1	1	1	1
in	0	0	0	0	0	0	1	1	1	1
mercy	1	0	1	1	1	1	0	0	0	0
rush	0	0	0	0	0	0	1	1	1	1
to	0	0	0	0	0	0	1	1	1	1
tread	0	0	0	0	0	0	1	1	1	1
where	0	0	0	0	0	0	1	1	1	1
worser	1	0	1	1	1	0	0	0	0	0

## TF - Weight

	1	2	3	4	5	6	7	8	9	10
angels	0	0	0	0	0	0	1	1	1	0
antony	1	1	0	0	0	1	0	0	0	0
brutus	1	1	0	1	0	0	0	0	0	0
caesar	1	1	0	1	1	1	0	0	0	0
calpurnia	0	1	0	0	0	0	0	0	0	0
cleopatra	1	0	0	0	0	0	0	0	0	0
fear	0	0	0	0	0	0	1	1	0	1
fools	0	0	0	0	0	0	1	1	1	1
in	0	0	0	0	0	0	1	1	1	1
mercy	1	0	1	1	1	1	0	0	0	0
rush	0	0	0	0	0	0	1	1	1	1
to	0	0	0	0	0	0	1	1	1	1
tread	0	0	0	0	0	0	1	1	1	1
where	0	0	0	0	0	0	1	1	1	1
worser	1	0	1	1	1	0	0	0	0	0

# Inverse Document Frequency

angels	3	0.52288
antony	3	0.52288
brutus	3	0.52288
caeser	5	0.30103
calpurnia	1	1.00000
cleopatra	1	1.00000
fear	3	0.52288
fools	4	0.39794
in	4	0.39794
mercy	5	0.30103
rush	4	0.39794
to	4	0.39794
tread	4	0.39794
where	4	0.39794
worser	4	0.39794

# TF-IDF

	1	2	3	4	5	6	7	8	9	10
angels	0.000	0.000	0.000	0.000	0.000	0.000	0.523	0.523	0.523	0.000
antony	0.523	0.523	0.000	0.000	0.000	0.523	0.000	0.000	0.000	0.000
brutus	0.523	0.523	0.000	0.523	0.000	0.000	0.000	0.000	0.000	0.000
caesar	0.301	0.301	0.000	0.301	0.301	0.301	0.000	0.000	0.000	0.000
calpurnia	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
cleopatra	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
fear	0.000	0.000	0.000	0.000	0.000	0.000	0.523	0.523	0.000	0.523
fools	0.000	0.000	0.000	0.000	0.000	0.000	0.398	0.398	0.398	0.398
in	0.000	0.000	0.000	0.000	0.000	0.000	0.398	0.398	0.398	0.398
mercy	0.301	0.000	0.301	0.301	0.301	0.301	0.000	0.000	0.000	0.000
rush	0.000	0.000	0.000	0.000	0.000	0.000	0.398	0.398	0.398	0.398
to	0.000	0.000	0.000	0.000	0.000	0.000	0.398	0.398	0.398	0.398
tread	0.000	0.000	0.000	0.000	0.000	0.000	0.398	0.398	0.398	0.398
where	0.000	0.000	0.000	0.000	0.000	0.000	0.398	0.398	0.398	0.398
worser	0.398	0.000	0.398	0.398	0.398	0.000	0.000	0.000	0.000	0.000

# Document Length

1	1.3734623153231016
2	1.2796184676775093
3	0.49897425664192124
4	0.782940961597204
5	0.5827472583211477
6	0.6742701972094371
7	1.2234957570597818
8	1.2234957570597818
9	1.1061372813884127
10	1.1061372813884127



# Normalized TF-IDF

	1	2	3	4	5	6	7	8	9	10
angels	0.000	0.000	0.000	0.000	0.000	0.000	0.427	0.427	0.473	0.000
antony	0.381	0.409	0.000	0.000	0.000	0.775	0.000	0.000	0.000	0.000
brutus	0.381	0.409	0.000	0.668	0.000	0.000	0.000	0.000	0.000	0.000
caesar	0.219	0.235	0.000	0.384	0.517	0.446	0.000	0.000	0.000	0.000
calpurnia	0.000	0.781	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
cleopatra	0.728	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
fear	0.000	0.000	0.000	0.000	0.000	0.000	0.427	0.427	0.000	0.473
fools	0.000	0.000	0.000	0.000	0.000	0.000	0.325	0.325	0.360	0.360
in	0.000	0.000	0.000	0.000	0.000	0.000	0.325	0.325	0.360	0.360
mercy	0.219	0.000	0.603	0.384	0.517	0.446	0.000	0.000	0.000	0.000
rush	0.000	0.000	0.000	0.000	0.000	0.000	0.325	0.325	0.360	0.360
to	0.000	0.000	0.000	0.000	0.000	0.000	0.325	0.325	0.360	0.360
tread	0.000	0.000	0.000	0.000	0.000	0.000	0.325	0.325	0.360	0.360
where	0.000	0.000	0.000	0.000	0.000	0.000	0.325	0.325	0.360	0.360
worser	0.290	0.000	0.798	0.508	0.683	0.000	0.000	0.000	0.000	0.000

Matched Documents For the query  
Matched Documents Are:1,2

Doc : 2	0.5779
Doc : 1	0.5384

# Query Analysis

word	TF	tfWeight	idf	TFIDF	normTFIDF
antony	1	1.0000	0.5229	0.5229	0.7071
brutus	1	1.0000	0.5229	0.5229	0.7071