

**Member1: 17CS60R83**

**Member2: 17CS60R81**

		<b>Index Size (in MB)</b>	<b>Number of Terms</b>
	Without any processing	145.1	504850
	After removing stop words	129.8	504111
	After lemmatization	128.7	499765

Time taken by Naive search (in milliseconds): **1086876.446ms**

Time taken using inverted index (in milliseconds):

Raw Inverted Index **1449.427ms**

Stopwords Removed Index **1217.122ms**

Stopwords Removed Lemmatized Index **4123.3958 ms**

<b>Query</b>	<b>Number of Documents (Raw Index)</b>
sokal affair	2
zombie cookie	1
finite state automata	29
normal form	89
halting problem	7
traveling salesman	14
alan turing	46
mohammad luqman	0
ada lovelace	3
dining philosopher	0
dangling pointer	3
alice and bob	10
blue screen of death	2

Query	Number of Documents (Stopwords Removed Index)
sokal affair	2
zombie cookie	1
finite state automata	29
normal form	89
halting problem	7
traveling salesman	14
alan turing	46
mohammad luqman	0
ada lovelace	3
dining philosopher	0
dangling pointer	3
alice and bob	10
blue screen of death	2

Query	Number of Documents (Lemmatized Index)
sokal affair	2
zombie cookie	1
finite state automata	49
normal form	101
halting problem	7
traveling salesman	14
alan turing	46
mohammad luqman	0
ada lovelace	3
dining philosopher	2
dangling pointer	5
alice and bob	10
blue screen of death	2