

Assignment 1: Information Retrieval & Web Search (CS7IS3)

Build Status

My Amazon Instance contains the following files:

- The full source code directory named as **LuceneFinal**.
- The **trec_eval** folder is also in the **src** folder of project folder
- The **CranField** which contains **Corrected Qrels** named as **qrelnew** is in **src** folder of project folder

Getting Started

- Run the following commands on ubuntu terminal or on windows via cmd as administrator

Login Credentials (if required in any of the following steps):

```
$ Username           : cs7is3
$ Password           : cs7is3
$ Instance IP Address: ec2-35-173-216-70.compute-1.amazonaws.com
```

To enter the system

```
$ ssh cs7is3@ec2-35-173-216-70.compute-1.amazonaws.com
Enter password: cs7is3
```

Building the code

```
$ cd LuceneFinal/
$ mvn package
```

Running the code

```
$ java -jar target/LuceneFinal-0.0.1-SNAPSHOT.jar
```

Evaluating the results

```
$ cd src/trec_eval-9.0.7/
$ make
$ ./trec_eval ../cran/qrelnew ../EnglishAnalyzer_BM25Similarity.out
```

To Evaluate more with different Analyser and Similarity run the following:

```
$ ./trec_eval ../cran/qrelnew ../EnglishAnalyzer_LMDirichletSimilarity.out  
$ ./trec_eval ../cran/qrelnew ../EnglishAnalyzer_ClassicSimilarity.out  
$ ./trec_eval ../cran/qrelnew ../StandardAnalyzer_ClassicSimilarity.out  
$ ./trec_eval ../cran/qrelnew ../StandardAnalyzer_BM25Similarity.out  
$ ./trec_eval ../cran/qrelnew ../StandardAnalyzer_LMDirichletSimilarity.out
```