HW2 – Positional Inverted Index & Free-text Queries with Proximity Operator

1. File directory structure:

```
Kim-HW2
   | lib
      | kstem-3.4.jar
   | src
      | com.chohee
            | inverted index part1
                 | Indexer.java
                 | Parser.java
                  | PositionLists.java
                  | PostingLists.java
            | query evluation part2
                  |_ProximityOperator.java
                  | QueryEvaluation.java
            | SimpleSearchEngine.java
            | documents.txt
      |_inverted_index_file.txt
      | result file.txt
      | SimpleSearchEngine.sh
```

2. Class descriptions

- a. Inverted_index_part1: A package for HW2 Part1.
 - i. Indexer.java
 - ii. Parser.java
 - iii. PositionLists.java
 - termFrequency:Integer
 - positions:List<Integer>
 - iv. PostingLists.java
 - docFrequency:Integer
 - positionMap:Map<Integer, PositonLists>
- b. Query_evaluation_part2: A package for HW2- Part2
 - i. ProximityOperator.java
 - N:Integer
 - Term1:String
 - Term2:String

ii. QueryEvaluation.java

- proximityOperatorList:List<ProximityOperator>
- freeTerms:List<String>
- query:String
- c. SimpleSearchEngine: A class for HW2- Part3

3. Usage

- a. Unzip Kim-HW2.zip
- c. Run .sh file
 >>sh SimpleSearchEngine.sh