**TARGET - SEARCH CASE STUDY**

## Package

* TargetSearch project folder.
* Sample\_test folder with sample files for search.

## Install and Setup

Import the TargetSearch project as a Gradle project into IDE(Eclipse or Intellij- Intellij preferred )

Copy the " Sample\_test" folder in the C directory.

## Environment and dependencies

Java 1.8

Lucene 4.7.0

Gradle 3.1

## Compile and Run

Clean

Build

Run the "SearchMain" class from the source package "com.target.search.main"

You are asked to "Enter the search string you want to search"- enter the string and press enter

Now, you should see "Available inputs"

* 0:Exit - When entered 0 , the program quits.
* 1:String Search- When entered 1, String is searched using the String search method.
* 2:Regular Expression Search- When entered 2, String is searched using the String search method.
* 3:Indexed Search - See step 4 . When entered 3, String is searched using the Indexed search method.
* 4:Indexed Search - create or update index- Enter 4 if the indexes are not created or if you want to update the indexes for the Indexed search to search the string input.

## Unit Tests

Test cases are available in the test folder for matches found and not found scenarios.

Run the "SearchTest" class from the test package "com.target.search" .