# Files

The main file is MostActiveCookie.java.

The Test file is MostActiveCookieTest.java

# Setup

Clone repository.

git clone <https://github.com/NaincyGupta/CodingTask.git>

# Run Program using Command-line Instructions

Prerequisites:

Install the latest version of Java.

You may need to set your JAVA\_HOME.

#Run the program

(In Windows)

cd CodingTask\QuantcastGithubProject\src\com\quantcast

javac -cp "commons-cli-1.5.0.jar;commons-cli-1.5.0-javadoc.jar;commons-cli-1.5.0-sources.jar;commons-cli-1.5.0-tests.jar;commons-cli-1.5.0-test-sources.jar" MostActiveCookie.java

java -cp "commons-cli-1.5.0.jar;commons-cli-1.5.0-javadoc.jar;commons-cli-1.5.0-sources.jar;commons-cli-1.5.0-tests.jar;commons-cli-1.5.0-test-sources.jar" MostActiveCookie.java cookieData.csv -d 2018-12-09

(In Mac)

cd CodingTask/QuantcastGithubProject/src/com/quantcast

javac -cp commons-cli-1.5.0.jar:commons-cli-1.5.0-javadoc.jar:commons-cli-1.5.0-sources.jar:commons-cli-1.5.0-tests.jar:commons-cli-1.5.0-test-sources.jar MostActiveCookie.java

java -cp commons-cli-1.5.0.jar:commons-cli-1.5.0-javadoc.jar:commons-cli-1.5.0-sources.jar:commons-cli-1.5.0-tests.jar:commons-cli-1.5.0-test-sources.jar MostActiveCookie cookieData.csv -d 2018-12-09

(General)

java -cp commons-cli-1.5.0.jar:commons-cli-1.5.0-javadoc.jar:commons-cli-1.5.0-sources.jar:commons-cli-1.5.0-tests.jar:commons-cli-1.5.0-test-sources.jar <JavaFilePath> <CSV file path> -d <Input date>

# Test Program using Eclipse

#Run the JUnit tests

Open the cloned Project - QuantcastGithubProject

Open Eclipse > Import Project QuantcastGithubProject

Right-click on MostActiveCookieTest.java

Run As > Junit Test

# Additional Information

I have used apache.commons.cli library to use “-d” as parameter to enter date in command line.

The above command line adds the class path of external libraries , takes cookieData.csv as 1st argument and input date as “-d ” parameter.

Junit tests are added to MostActiveCookieTest.java

The program has been designed such that an exception will be thrown in the following cases:

* If the input CSV file path passed in the argument cannot be located at specified location
* If the input CSV file path is not added as argument in the command line.
* If input date is not passed as “-d” parameter.
* If the input date entered is not in the correct format i.e. yyyy-MM-dd .

Screenshot of successful execution of program:

Text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated