

# Guidelines for Moji

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Java Client for Moss by Alex Aiken of Stanford University

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References: <https://github.com/nordicway/moji>  
<http://theory.stanford.edu/~aiken/moss/>

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## Step 0 – Prepare Environment

- Install maven
- Install NetBeans IDE. Source codes are under NetBeans Maven project.
- userID has been registered. If for any further usage you need to change or reapply for a userID, you follow the instructions by Moss and change in `Submission.java` accordingly.

## Step 1 - prepare files accordingly

In the working directory, create a folder called “`solution_directory`”

(working directory is where all files and directories are located, including `copyFile.sh`, `.jar`, `solution_directory`, `base_directory`, and potential archived result from Moss)

- Download all students’ codes from blackboard and unzip them under “`solution_directory`” folder. Note: you also need to unzip the project zips of students
- A valid directory containing all students’ solutions should look like this:

```
solution_directory
|- student1
|   |- classA.java
|   |- ...
|- student2
|   |- ...
|- student3
|   |- ...
```

- Execute `copyFile.sh` given `folder_name` as parameter:  
`./copyFile.sh folder_name`  
(if you can’t execute it, execute: `chmod 777 copyFile.sh`)
- Create another folder called “`base_directory`”. If there are sample codes provided by the faculties, add source codes into this directory. Otherwise, leave it empty but keep the directory!

## Step 2 – Execute Submission Program

Beforehand, you need to copy the jar file to the directory where solution\_directory and base\_directory are located.

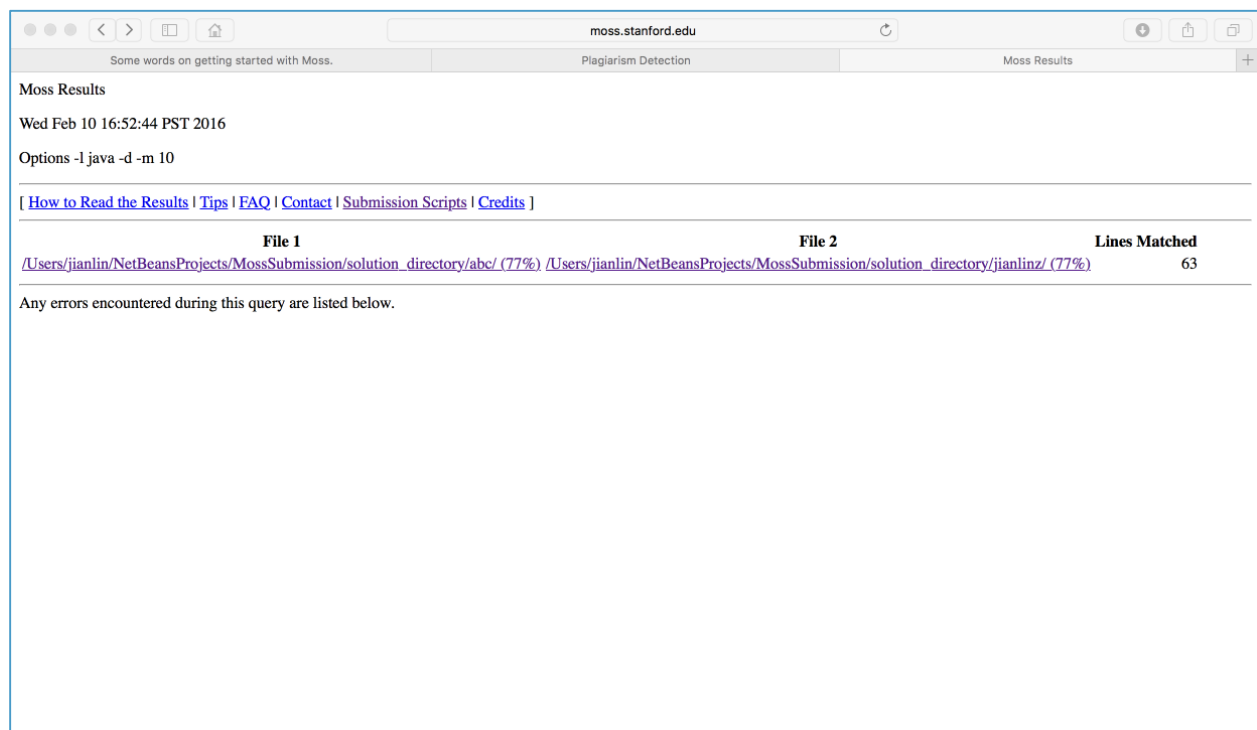
```
java -cp jar_file_name.jar  
heinz.ds.mosssubmission.Submission
```

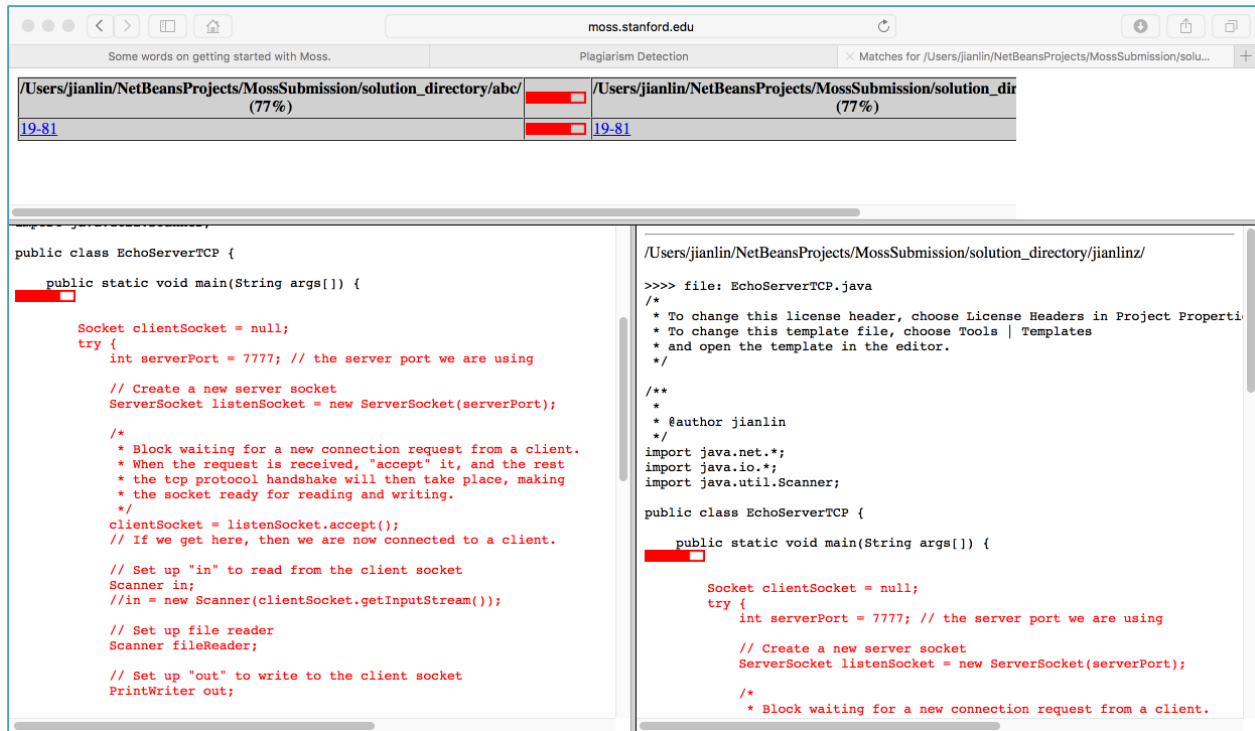
## Step 3 – Fetch Results from Moss

Moss platform is deployed as an online service, we don't have access directly to the system, but we can access the result given by Moss.

- Option 1: View on browser  
`http://moss.stanford.edu/results/result#`
- Option 2: download for local archives  
`wget -r -np http://moss.stanford.edu/results/result#`

Screenshots:





### Rebuild .jar After Modification

If you want to change any part of source codes, you will have to rebuild and re-create the jar file for execution.

- In the project folder, execute: `mvn package`
- .jar file will be created in /target.

### Extension Beyond .java

If you want to extension this program to support other types of source codes, please go into bash and java programs and modify them accordingly. It's not difficult at all!