**How to use smartExpander? (as a reusable tool)**

1. Download the implementation and testing data:

git clone git@github.com:jiangyanjie/smartExpander.git

2. Switch to the folder where *.class files are:

For example, "cd smartExpander\MCParser\out\production\MCParser"

3. Test smartExpander with a single abbreviation:

java FindCasualNames.main.smartExpander abbr identifier contexts typeOfIdentifer expansion projectName

where abbr is the abbreviation to be tested; identifier is the identifer containing the abbreviation; contexts is the contexts of the abbreviations (i.e., identifiers sourrounding the abbreviations; typeOfIdentifer is the type of the enclosing identifier (e.g., variable name or method name); expansion is the full terms of the abbreviation; projectName is the name of the enclosing Java project.

**An illustrating example:**

java FindCasualNames.main.smartExpander nf nf file#jsmooth#model#persistency#make#path#relative#if#possible#root

variableName new file davmail

Output: "True", the abbreviation should be expanded.

4. Expected Output for the execution:

"True": if the abbreviation should be expanded

"False": if the abbreviation should not be expanded