Steps to run the Change Distiller Script from Command Prompt on two versions of the source code

Generating change script text files:

1. Install Java Version 8
2. Set environment variables to include the path of jdk directory
3. Download and extract zip folder containing the scripts
4. Open the folder containing the extracted scripts using the terminal
5. Run the jar file '**ChangeScriptGenerator.jar**' using the command *java -jar ChangeScriptGenerator.jar*
6. Enter the absolute paths of the version/target folder as prompted.

```
C:\Users\BITS-PC\Desktop\GenerateChangeMetrics>java -jar ChangeScriptGenerator.jar
Enter absolute path of v1 folder:
C:\Users\BITS-PC\Downloads\PROMISE\PROMISE\src\ant-1.3
Enter absolute path of v2 folder:
C:\Users\BITS-PC\Downloads\PROMISE\PROMISE\src\ant-1.4
Enter absolute path of target folder:
C:\Users\BITS-PC\Desktop\test
```

In the target folder, you will find text files containing the changes (Edit scripts) in the two versions.

Generating change metrics csv files:

1. Run the python file '**ObtainChangeMetrics.py**' using the command *python ObtainChangeMetrics.py*
2. Enter the absolute path of the directory containing the edit script obtained in the previous steps.
3. Enter the absolute path of the target folder where you want the CSV files to be stored.

```
C:\Users\BITS-PC\Desktop\GenerateChangeMetrics>python ObtainChangeMetrics.py
Enter path of Editscript directory : C:\Users\BITS-PC\Desktop\test
Enter absolute path of folder where csv files are to be stored: C:\Users\BITS-PC\Desktop\
Processing AggregateTransformer.java_changes.txt...
Processing AntClassLoader.java_changes.txt...
Processing BaseTest.java_changes.txt...
Processing BatchTest.java_changes.txt...
Processing BuildEvent.java_changes.txt...
Processing BuildException.java_changes.txt...
Processing BuildListener.java_changes.txt...
Processing BuildLogger.java_changes.txt...
Processing Commandline.java_changes.txt...
Processing CommandlineJava.java_changes.txt...
```