

## System Requirement:

- 1) Operating System: Any Linux Distribution (preferably Ubuntu 9.10).
- 2) Application Softwares : OpenOffice (To view input files), Firefox ( to view Summary).
- 3) Compilers: Java, Netbeans IDE (To compile and run Application)  
Python ( to run Automatic Evaluation Script) Installing python is optional; Evaluation Scores can also be calculated manually.

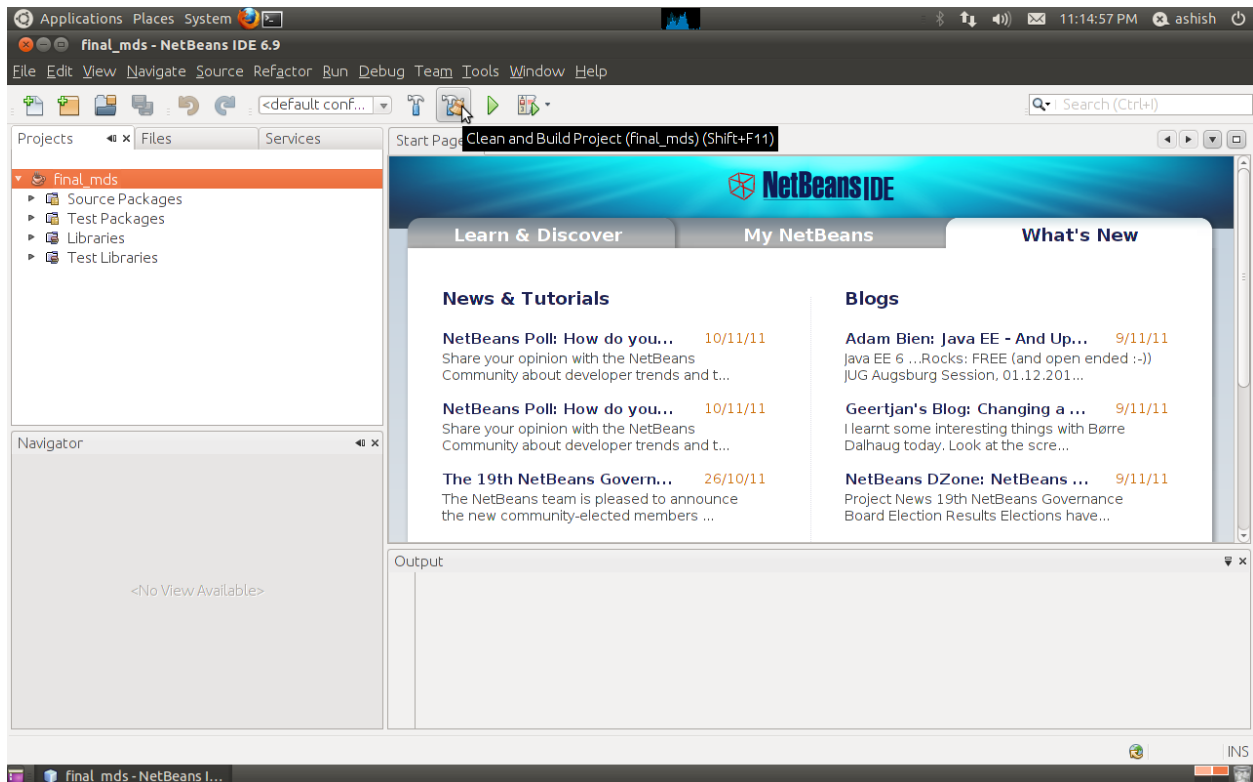
## Installation and Execution

- 1) Install and run *NetBeans IDE*.
- 2) *Our Application (NetBeans project folder)* is stored in “SOURCE” Folder.
- 3) Open the Project folder as a project in Netbeans.
- 4) Build and run the Project.
- 5) A GUI of the application will appear, Asking for the input files.
- 6) Select odt files from the folder path “INPUT/Docset”
- 7) Table and Figure ranking will be shown in the two text areas.

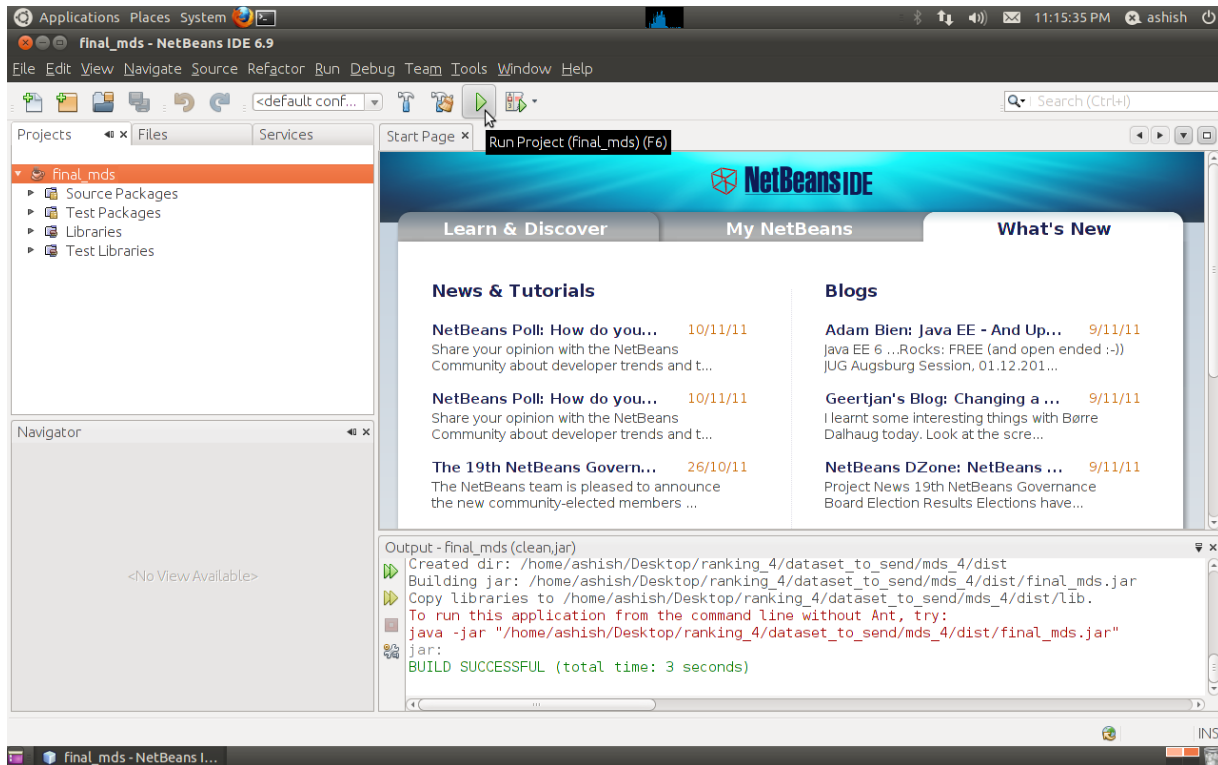
## Automatic Evaluation:

A python script for Evaluation of the system is created by Hyun Duk Kim and is included in the “UTILITY” Folder named multiOrderEval.py. A ReadMe file for the same is also stored in that folder.

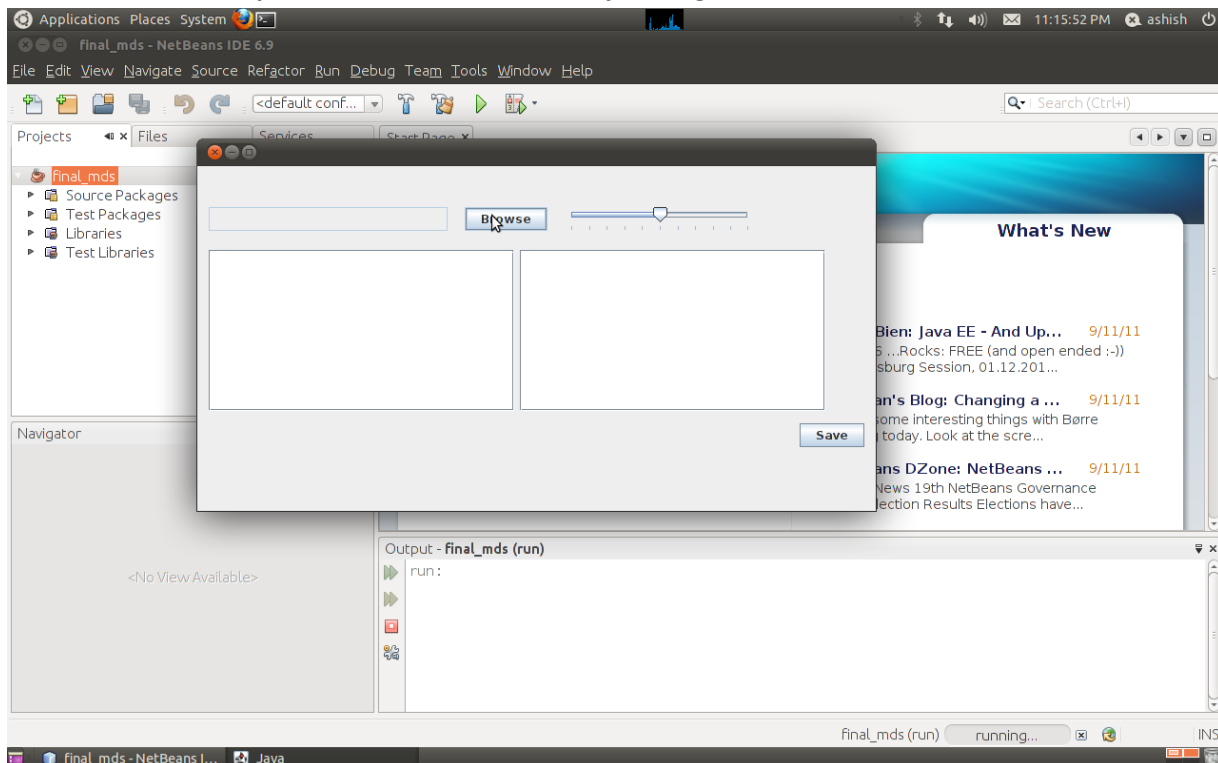
## Clean and Build Project:



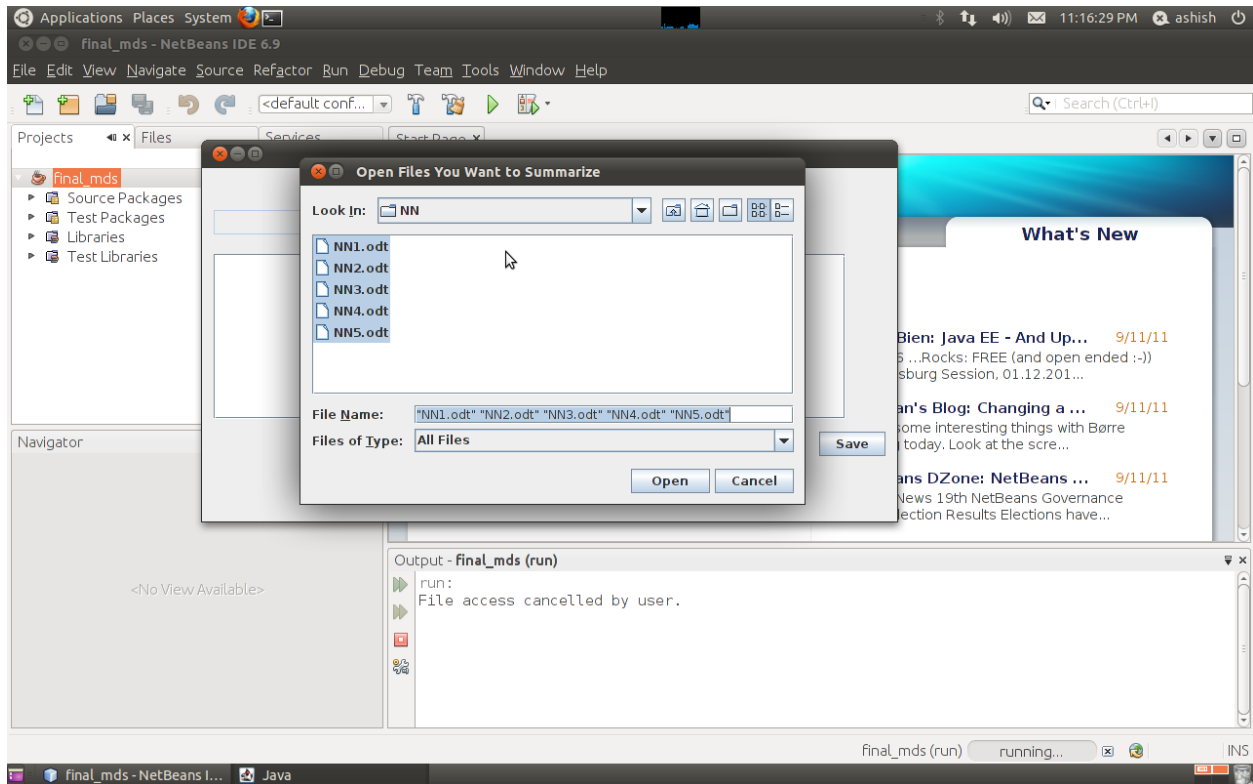
## Run Project:



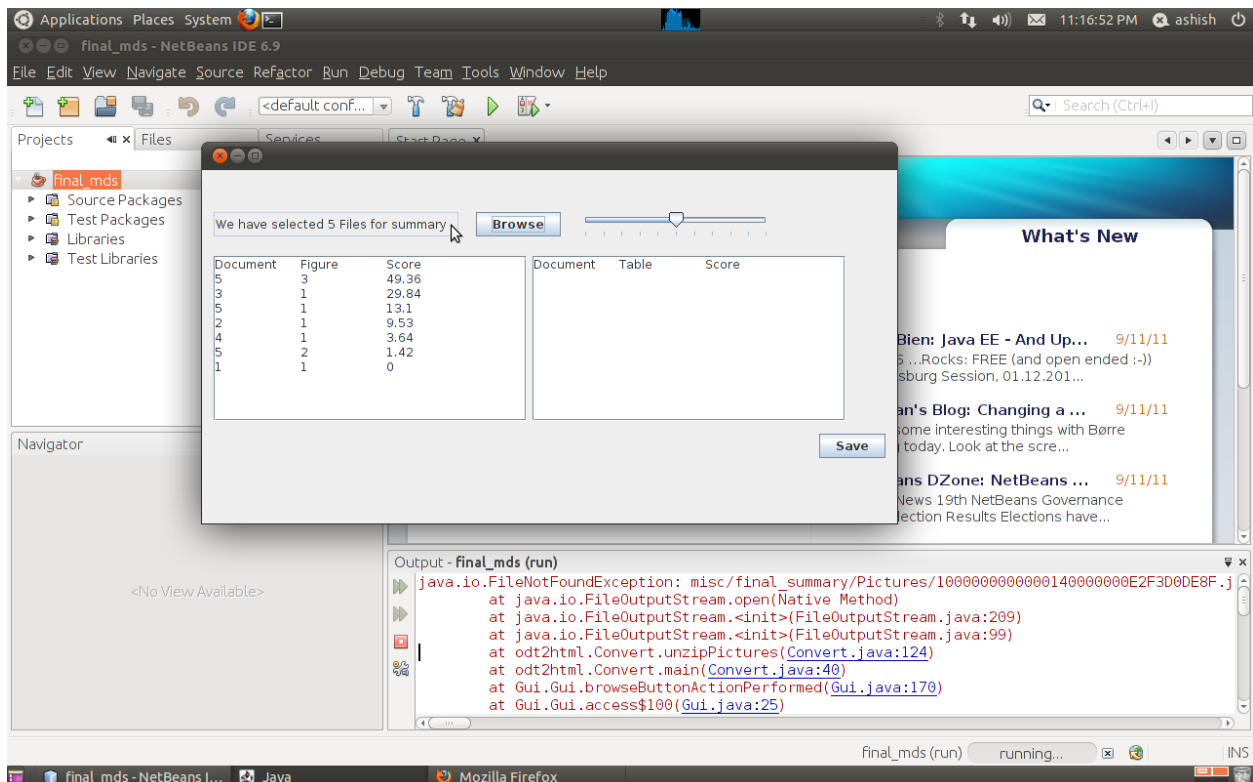
Open the set of files you want to summarize. (filetype must be of OpenDocument format ie. odt):  
You can also set the percent for summarization by setting the scrollbar.



After selecting all the odt files from the document set folder, click the Open Button:



As a Result Table and Figure Ranking will appear in the two different text Areas.



A Summary of the document set ie. Text summary integrated with figures and tables will be opened in firefox.

We have selected 5 Files for summary

Document	Figure	Score
5	3	49.36
5	1	29.84
5	1	13.1
2	1	9.53
4	1	3.64
5	2	1.42
1	1	0

ARTIFICIAL NEURAL NETWORK  
 The basics behind artificial neural networks are to model a highly abstracted version of a complex neural biological network by mapping out a structure of interconnected group of neurons found in the brain. An Artificial Neural Network (ANN) is an information processing paradigm that is inspired by the way biological nervous systems, such as the brain, process information.

ARCHITECTURE OF NNs  
 The two basic types of NNs are those that have to be trained (e. g. , the backpropagation method that is used here) and those that learn or organize on their own. Each neurode combines a number of inputs and produces an output, which is transmitted to many different locations, including other neurodes. It is composed of a large number of highly interconnected processing elements (neurons)[1] working in unison to solve specific problems. DREF\_IMG4.1

DREF\_IMG4.1

A simple neural network

We have selected 3 Files for summary

Document	Figure	Score
3	1	70.44
3	2	43.52

DREF\_IMG2.1 Correlations in skin thickness at sun exposed sites in identical and non-identical twins.

The objective of the study was to determine whether daily treatment with topical AHA and PHA products alters the sensitivity of normal human skin to UVB radiation. A change in UV sensitivity resulting from enhanced