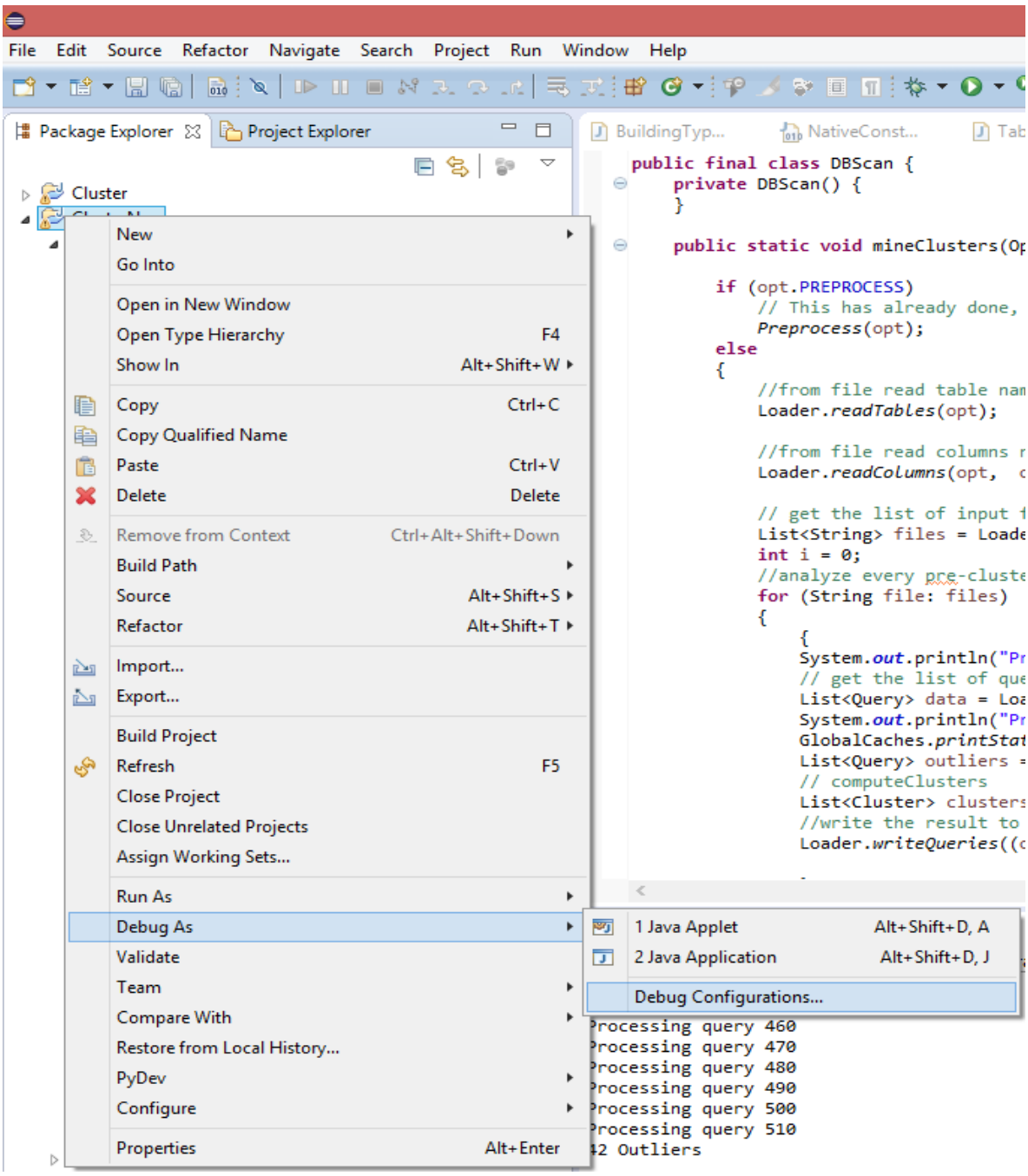
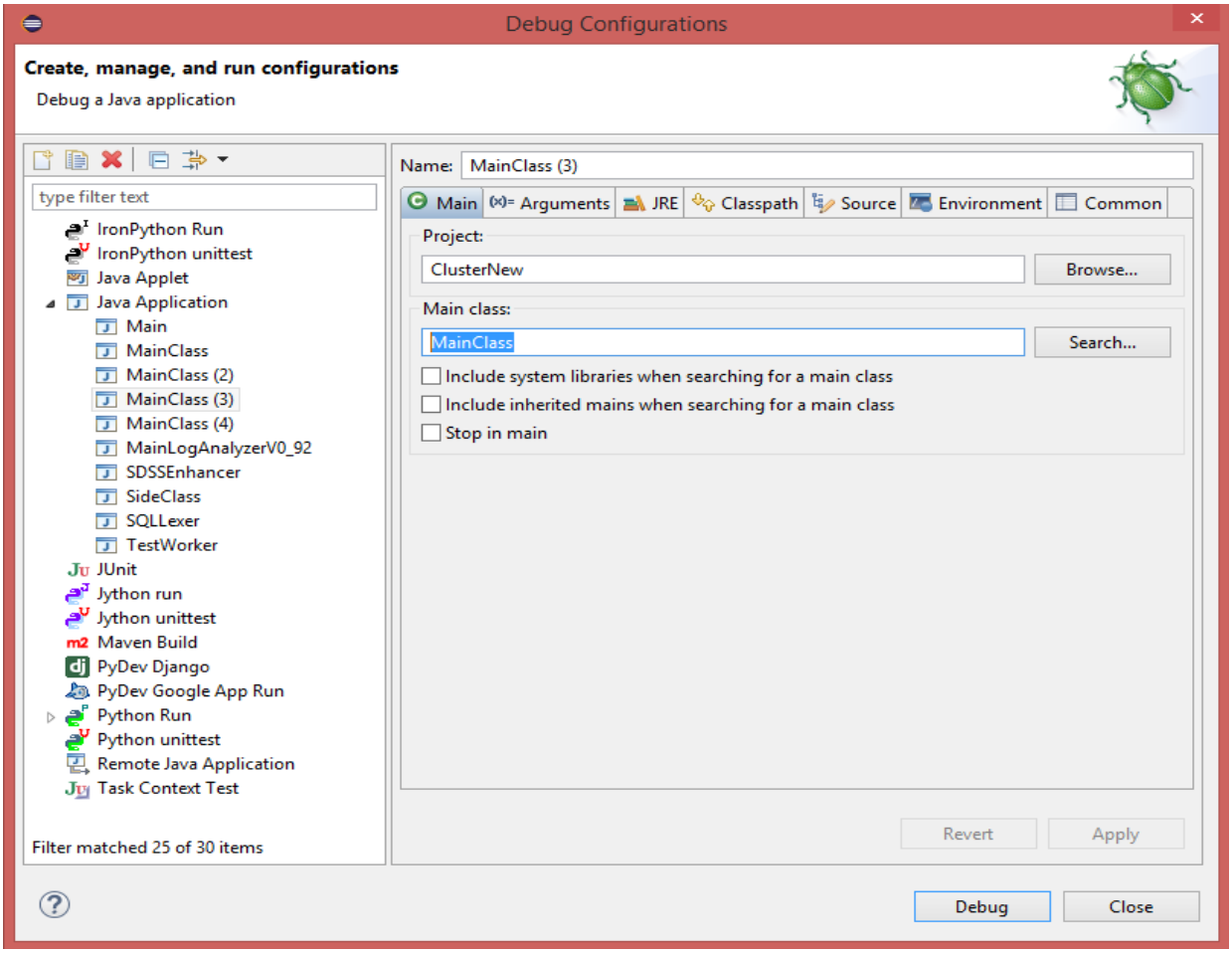
Task 0. First start

1. Download and install Eclipse: http://www.eclipse.org/downloads/packages/eclipse-ide-java-and-dsl-developers/mars2
    a. Import project ClusterNew (File -> Import-> Existing project into workspace)
    b. Set configuration



    c. Set Main Class as ‘MainClass’



d. Set command line arguments

Debug Configuration-> Arguments

Command line arguments look like:

-FILE_C_OUTPUT "C:\Work\in_out\new\out.csv" -FILE_CLMN_OUTPUT "C:\Work\in_out\new\out_clmn.csv" -FILE_TBL_OUTPUT "C:\Work\in_out\new\out_tbl.csv" -FILE_INPUT "C:\Work\in_out\sample.csv" -FILE_TABLES "C:\Work\in_out\tables.csv"

Argument	Description
FILE_C_OUTPUT	Output file (file with clusters)
FILE_CLMN_OUTPUT	File with columns distributions
FILE_TBL_OUTPUT	File with tables names and counts of rows for each table
FILE_INPUT	Input file with SQL statements in intermediate format

The samples of the files you can find in 'Samples\Task0' folder

2. Build project
3. Become familiar with the code
4. Run, interpret and DESCRIBE the results. Clue: Use SkyServer data scheme description: http://skyserver.sdss.org/dr1/en/help/browser/browser.asp

5. Change threshold parameters (distance threshold and min count of queries to became a cluster), evaluate changes. What threshold parameters do you think are optimal? Why? How to set the threshold parameters?
6. What in the result doesn't have interpretation meaning? Why?
7. What queries can we exclude from the input datasets? Clue: this strongly depends on the answer to the previous question
8. Have a look at the query log in Oracle database.
   Connection's settings:

Server: marsara.ipd.kit.edu
Database (SID): student
Port: 1521
Username: bdcourse
Password: bdcourse

9. Become familiar with SkyServer database, we expect you to have some domain knowledge
   http://skyserver.sdss.org/dr12/en/home.aspx
10. Have a look how to collect logs of SkyServer
    http://skyserver.sdss.org/log/en/traffic/sql.asp?