**How to run OutlierDetection code**

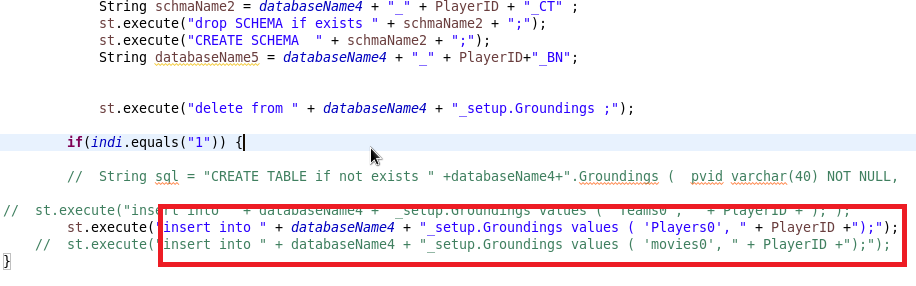
Project name = BayesBaseNew

**1)** Make yourDatabaseName\_setup in the database server. You can use any of the BayeBase codes to generate the setup database. My code doesn't generate the setup. You can use GeneralBayesBase to generate Setup.

For example if database name is Premier\_League\_MidStr setup must be in the format of Premier\_League\_MidStr\_setup.

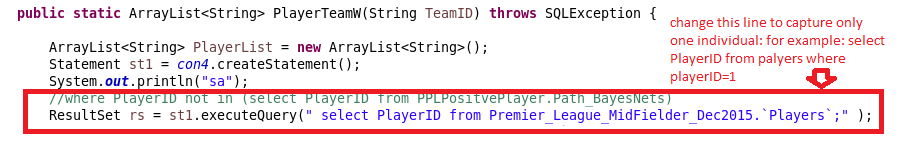
**2)** What is the individual you want to ground? Is it a Movie, player or a team? You should change a line in the main function of BayesBaseNew/src/Wrapper.Java.

line 127: as shown below:



**3)** Generate Generic Bayesnet: You can use any BayesBase code to generate Generic Basenet: Or you can use the project BayesBaseNew to generate it by doing followings:

* 1) change databasename in the Config files: for example replace all the Premier\_League\_MidFielder\_Dec2015 in all the config files:  
  + BayesBaseNew/cfg/groundcfg/scorecomputation.cfg
  + BayesBaseNew/cfg/groundcfg/subsetctcomputation.cfg BayesBaseNew/src/config.cfg
* In BayesBaseNew/src/config.cfg file modify the following lines: Individual=0 and Approach1 = 0 and Approach2 = 0
* In BayesBaseNew/cfg/groundcfg/scorecomputation.cfg change ELD= 0
* in BayesBaseNew/cfg/groundcfg/subsetctcomputation.cfg make Grounded=0 and ELD=0
* In the code: in BayesBaseNew/src/Wrapper.Java in the function named: PlayerTeamW change the quary to run it for only one individual.



* Then it will generate the generic database for you with this name YourDatabaseName\_\*\*\*\_BN
* YourDatabaseName\_\*\*\*\_CT and YourDatabaseName\_\*\*\*\_db, then you have to rename these databases to YourDatabaseName\_db;YourDatabaseName\_BN; YourDatabaseName\_CT to reflect that this is infact generic.

4) Now you should iterate through all individuals: in two different runs.

* + First Run:
    - * In BayesBaseNew/src/config.cfg change Individual=1;Approach1 = 0;Approach2 = 1 and ELD=0
      * In databaseserver make a schema for code to store result in. Schema must have two tables: Score and Path\_BayesNet make tables in the result database just like these two tables in Premier\_League\_Midfielder\_Dec2015\_CorrelationSchema: create table score like Premier\_League\_Midfielder\_Dec2015\_CorrelationSchema.Score .
      * Change the ResultdataBase field in BayesBaseNew/src/config.cfg to the database name that you created in the previous step.
      * In BayesBaseNew/cfg/groundcfg/scorecomputation.cfg change ELD=0
      * In BayesBaseNew/cfg/groundcfg/subsetctcomputation.cfg make Grounded=1 and ELD=0
      * In the code: in BayesBaseNew/src/Wrapper.Java in the function named: PlayerTeamW change the quary to run it for all the individuals
  + Second Run
    - * a)In BayesBaseNew/src/config.cfg change Individual=1;Approach1 = 0;Approach2 = 0 and ELD=1
      * b)In databaseserver make another schema for code to store result in. Just like a database you created for the result of first run, it must have two tables with those formats
      * Change the ResultdataBase field in BayesBaseNew/src/config.cfg to the database name that you created in the previous step.
      * In BayesBaseNew/cfg/groundcfg/scorecomputation.cfg change ELD=1
      * In BayesBaseNew/cfg/groundcfg/subsetctcomputation.cfg make Grounded=1 and ELD=1