# FACTORBASE DOCUMENTATION

Main File: RunBB.java reads config.cfg.

Flowchart:

1. Extract metadata. Especially Rnodes: metadata.sql script.
2. Run lattice generator on metadata to generate rchains.
3. Transfer the metadata information to \_BN database for basenet learning.

## Options

* “AutomaticSetup” = 1: means that the metadata will be extracted and written to the setup database. The method factorBaseDatabase.setupDatabase() executes this.
* “AutomaticSetup” = 0: means that learning starts with whatever is in the current setup database.

Use Case: run FactorBase with “AutomaticSetup” = 1 first. Then you can edit the setup database (using SQL), then rerun with “AutomaticSetup” = 0.

## Downstream Inputs

factorBaseDatabase.getGlobalLattice

* Calls LatticeGenerator

Bayesnet learning

* Calls \_transfer\_initialize.sql and also transfer\_cascade.sql. Where is which script called?
* Requires:
  + setup.1Nodes
  + setup.2Nodes
  + setup.RNodes\_2Nodes
  + setup.RNodes
  + setup.RNodes\_pvars
  + setup.LatticeRNodes
  + setup.FunctorSet F
  + setup.FNodes\_pvars