Manual framework (prefSQL )

* Entry point for the Framework
  + prefSQL.SQLParser.SQLCommon
* Parse a prefSQL-String to a usable SQL String
  + Select the algorithm with the attributte “SkylineType”.

SQLCommon parser = new SQLCommon();

parser.SkylineType = SQLCommon.Algorithm.NativeSQL;

string strSQL = parser.parsePreferenceSQL(strPrefSQL);

* Return multiple skylines
  + ShowSkylineAttributes adds the fields of the skyline to the select list
  + SkylineUpToLevel limits the amount of skylines (a field is added to the select list with the level of the tuple)

SQLCommon parser = new SQLCommon();

parser.SkylineType = SQLCommon.Algorithm.MultipleBNL;

parser.ShowSkylineAttributes = true;

parser.SkylineUpToLevel = 3;

string strSQL = parser.parsePreferenceSQL(strPrefSQL);

* Return the datatable (under construction)
  + The method “getDatatable” returns the datatable instead of a string. The advantage is that it does not rely on MS SQL CLR.

SQLCommon parser = new SQLCommon();

parser.SkylineType = SQLCommon.Algorithm.NativeSQL;

DataTable dt = parser.getDatatable(strPrefSQL);

* ...