Connect to sql database with Metacoder

Select a database tool, in this case mysql, and give the server address, database name, user and password

Database	mysql ▾
IP address	sql6.freesqldatabase.com
Port	3306
Database name	sql6449948
User	sql6449948
Password	
-> XML	

Pres XML button.

If everything is correct a connection will be made and an xml file will be created in the submap databases.

This works very slow if you are also working with a database stored in the cloud.

You should see this result

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and an xml file in databases with this content

```xml
<?xml version="1.0" encoding="UTF-8"?>
<Database>
  namevalue
  <DB>
    <dbtool>mysql</dbtool>
    <ip>sql6.freesqldatabase.com</ip>
    <port>3306</port>
    <databasename>sql6449948</databasename>
    <user>sql6449948</user>
    <url>jdbc:mysql://sql6.freesqldatabase.com:3306/sql6449948</url>
    <ODBCdriver>MySQL-AB JDBC Driver</ODBCdriver>
    <ODBCdriverversion>mysql-connector-java-5.0.5 ( &amp;#36;Date: 2007-
03-01 00:01:06 +0100 (Thu, 01 Mar 2007) &amp;#36;, &amp;#36;Revision:
6329 &amp;#36; )</ODBCdriverversion>
    <Productname>MySQL</Productname>
    <Productversion>5.5.62-0ubuntu0.14.04.1</Productversion>
    <Tablecount>10</Tablecount>
```

```xml
    </DB>
    <TABLES>
      <band>
        <tabletype>TABLE</tabletype>
        <tableschema>sql6449948</tableschema>
        <tableremarks />
        <COLUMNS>
          <COLUMN0>
            <columnname>bandname</columnname>
            <datatype>12</datatype>
            <datatype>12</datatype>
            <size>100</size>
            <decimaldigits>0</decimaldigits>
            <numericprecisionradix>10</numericprecisionradix>
            <nullable>0</nullable>
            <defautlvalue />
            <sequence>1</sequence>
            <fullname>null.band.bandname</fullname>
            <javatype>java.lang.String</javatype>
            <remarks>band official name</remarks>
            <schema>null</schema>
            <sqldatatype>0</sqldatatype>
            <sqldatetimesub>0</sqldatetimesub>
            <datatypename>varchar</datatypename>
            <uniformsqltype>12</uniformsqltype>
            <fileondisk>0</fileondisk>
          </COLUMN0>
          <COLUMN1>
            <columnname>dateformation</columnname>
            <datatype>91</datatype>
            <datatype>91</datatype>
            <size>0</size>
            <decimaldigits>0</decimaldigits>
            <numericprecisionradix>10</numericprecisionradix>
            <nullable>1</nullable>
            <defautlvalue />
            <sequence>2</sequence>
            <fullname>null.band.dateformation</fullname>
            <javatype>java.sql.Date</javatype>
            <remarks>date the band formed officially</remarks>
            <schema>null</schema>
            <sqldatatype>0</sqldatatype>
            <sqldatetimesub>0</sqldatetimesub>
            <datatypename>date</datatypename>
            <uniformsqltype>91</uniformsqltype>
            <fileondisk>0</fileondisk>
          </COLUMN1>
          <COLUMN2>
            <columnname>datestop</columnname>
            <datatype>91</datatype>
```

```xml
        <datatype>91</datatype>
        <size>0</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>1</nullable>
        <defautlvalue />
        <sequence>3</sequence>
        <fullname>null.band.datestop</fullname>
        <javatype>java.sql.Date</javatype>
        <remarks>band stop date</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>date</datatypename>
        <uniformsqltype>91</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN2>
    </COLUMNS>
    <PRIMARYKEY>
      <name>PRIMARY</name>
      <COLUMN>
        <columnname>bandname</columnname>
        <sequence>1</sequence>
      </COLUMN>
    </PRIMARYKEY>
    <FOREIGNKEYS />
    <INDEXES />
</band>
<bandmember>
    <tabletype>TABLE</tabletype>
    <tableschema>sql6449948</tableschema>
    <tableremarks />
    <COLUMNS>
      <COLUMN0>
        <columnname>bandname</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>100</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>1</sequence>
        <fullname>null.bandmember.bandname</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>band foreign key</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
```

```xml
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN0>
      <COLUMN1>
        <columnname>artistname</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>50</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>2</sequence>
        <fullname>null.bandmember.artistname</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>artist foreign key</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN1>
    </COLUMNS>
    <PRIMARYKEY>
      <name>PRIMARY</name>
      <COLUMN>
        <columnname>artistname</columnname>
        <sequence>2</sequence>
      </COLUMN>
      <COLUMN>
        <columnname>bandname</columnname>
        <sequence>1</sequence>
      </COLUMN>
    </PRIMARYKEY>
    <FOREIGNKEYS>
      <FOREIGNKEY0>
        <primarykeyschema>sql6449948</primarykeyschema>
        <primarykeytable>musician</primarykeytable>
        <foreignkeyschema>sql6449948</foreignkeyschema>
        <foreignkeytable>bandmember</foreignkeytable>
        <pkname />
        <fkname>bandmember_FK</fkname>
        <fkjavaname>musician</fkjavaname>
        <COLUMN0>
          <ftable>musician</ftable>
          <pcolumnname>artistname</pcolumnname>
          <ptable>bandmember</ptable>
          <fcolumnname>artistname</fcolumnname>
          <sequence>1</sequence>
```

```xml
          <partofprimarykey>0</partofprimarykey>
        </COLUMN0>
      </FOREIGNKEY0>
      <FOREIGNKEY1>
        <primarykeyschema>sql6449948</primarykeyschema>
        <primarykeytable>band</primarykeytable>
        <foreignkeyschema>sql6449948</foreignkeyschema>
        <foreignkeytable>bandmember</foreignkeytable>
        <pkname />
        <fkname>bandmember_FK_1</fkname>
        <fkjavaname>band</fkjavaname>
        <COLUMN0>
          <ftable>band</ftable>
          <pcolumnname>bandname</pcolumnname>
          <ptable>bandmember</ptable>
          <fcolumnname>bandname</fcolumnname>
          <sequence>1</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN0>
      </FOREIGNKEY1>
    </FOREIGNKEYS>
    <INDEXES>
      <INDEX0>
        <indexname>bandmember_FK</indexname>
        <unique>false</unique>
        <COLUMNS>
          <COLUMN0>
            <columnname>artistname</columnname>
            <sequence>1</sequence>
          </COLUMN0>
        </COLUMNS>
      </INDEX0>
    </INDEXES>
  </bandmember>
  <bandmemberdates>
    <tabletype>TABLE</tabletype>
    <tableschema>sql6449948</tableschema>
    <tableremarks />
    <COLUMNS>
      <COLUMN0>
        <columnname>bandname</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>100</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>1</sequence>
        <fullname>null.bandmemberdates.bandname</fullname>
```

```xml
      <javatype>java.lang.String</javatype>
      <remarks>bandmember foreign key</remarks>
      <schema>null</schema>
      <sqldatatype>0</sqldatatype>
      <sqldatetimesub>0</sqldatetimesub>
      <datatypename>varchar</datatypename>
      <uniformsqltype>12</uniformsqltype>
      <fileondisk>0</fileondisk>
   </COLUMN0>
   <COLUMN1>
      <columnname>artistname</columnname>
      <datatype>12</datatype>
      <datatype>12</datatype>
      <size>50</size>
      <decimaldigits>0</decimaldigits>
      <numericprecisionradix>10</numericprecisionradix>
      <nullable>0</nullable>
      <defautlvalue />
      <sequence>2</sequence>
      <fullname>null.bandmemberdates.artistname</fullname>
      <javatype>java.lang.String</javatype>
      <remarks>bandmember foreign key</remarks>
      <schema>null</schema>
      <sqldatatype>0</sqldatatype>
      <sqldatetimesub>0</sqldatetimesub>
      <datatypename>varchar</datatypename>
      <uniformsqltype>12</uniformsqltype>
      <fileondisk>0</fileondisk>
   </COLUMN1>
   <COLUMN2>
      <columnname>datejoined</columnname>
      <datatype>91</datatype>
      <datatype>91</datatype>
      <size>0</size>
      <decimaldigits>0</decimaldigits>
      <numericprecisionradix>10</numericprecisionradix>
      <nullable>0</nullable>
      <defautlvalue />
      <sequence>3</sequence>
      <fullname>null.bandmemberdates.datejoined</fullname>
      <javatype>java.sql.Date</javatype>
      <remarks>date (re)joined the band</remarks>
      <schema>null</schema>
      <sqldatatype>0</sqldatatype>
      <sqldatetimesub>0</sqldatetimesub>
      <datatypename>date</datatypename>
      <uniformsqltype>91</uniformsqltype>
      <fileondisk>0</fileondisk>
   </COLUMN2>
   <COLUMN3>
```

```xml
        <columnname>dateparted</columnname>
        <datatype>91</datatype>
        <datatype>91</datatype>
        <size>0</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>1</nullable>
        <defautlvalue />
        <sequence>4</sequence>
        <fullname>null.bandmemberdates.dateparted</fullname>
        <javatype>java.sql.Date</javatype>
        <remarks>date parted the band</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>date</datatypename>
        <uniformsqltype>91</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN3>
    </COLUMNS>
    <PRIMARYKEY>
      <name>PRIMARY</name>
      <COLUMN>
        <columnname>artistname</columnname>
        <sequence>2</sequence>
      </COLUMN>
      <COLUMN>
        <columnname>bandname</columnname>
        <sequence>1</sequence>
      </COLUMN>
      <COLUMN>
        <columnname>datejoined</columnname>
        <sequence>3</sequence>
      </COLUMN>
    </PRIMARYKEY>
    <FOREIGNKEYS>
      <FOREIGNKEY0>
        <primarykeyschema>sql6449948</primarykeyschema>
        <primarykeytable>bandmember</primarykeytable>
        <foreignkeyschema>sql6449948</foreignkeyschema>
        <foreignkeytable>bandmemberdates</foreignkeytable>
        <pkname />
        <fkname>bandmemberdates_FK</fkname>
        <fkjavaname>bandmember</fkjavaname>
        <COLUMN0>
          <ftable>bandmember</ftable>
          <pcolumnname>bandname</pcolumnname>
          <ptable>bandmemberdates</ptable>
          <fcolumnname>bandname</fcolumnname>
          <sequence>1</sequence>
```

```xml
          <partofprimarykey>0</partofprimarykey>
        </COLUMN0>
        <COLUMN1>
          <ftable>bandmember</ftable>
          <pcolumnname>artistname</pcolumnname>
          <ptable>bandmemberdates</ptable>
          <fcolumnname>artistname</fcolumnname>
          <sequence>2</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN1>
      </FOREIGNKEY0>
    </FOREIGNKEYS>
    <INDEXES />
  </bandmemberdates>
  <musician>
    <tabletype>TABLE</tabletype>
    <tableschema>sql6449948</tableschema>
    <tableremarks />
    <COLUMNS>
      <COLUMN0>
        <columnname>artistname</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>50</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>1</sequence>
        <fullname>null.musician.artistname</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>Artist identification name, is unique due to
copyright</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN0>
      <COLUMN1>
        <columnname>realname</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>30</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>1</nullable>
        <defautlvalue />
        <sequence>2</sequence>
```

```xml
        <fullname>null.musician.realname</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>real name</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
    </COLUMN1>
    <COLUMN2>
        <columnname>realsurname</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>50</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>1</nullable>
        <defautlvalue />
        <sequence>3</sequence>
        <fullname>null.musician.realsurname</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>real surname</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
    </COLUMN2>
    <COLUMN3>
        <columnname>dateborn</columnname>
        <datatype>91</datatype>
        <datatype>91</datatype>
        <size>0</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>1</nullable>
        <defautlvalue />
        <sequence>4</sequence>
        <fullname>null.musician.dateborn</fullname>
        <javatype>java.sql.Date</javatype>
        <remarks />
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>date</datatypename>
        <uniformsqltype>91</uniformsqltype>
        <fileondisk>0</fileondisk>
    </COLUMN3>
```

```xml
      <COLUMN4>
        <columnname>datedied</columnname>
        <datatype>91</datatype>
        <datatype>91</datatype>
        <size>0</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>1</nullable>
        <defautlvalue />
        <sequence>5</sequence>
        <fullname>null.musician.datedied</fullname>
        <javatype>java.sql.Date</javatype>
        <remarks />
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>date</datatypename>
        <uniformsqltype>91</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN4>
    </COLUMNS>
    <PRIMARYKEY>
      <name>PRIMARY</name>
      <COLUMN>
        <columnname>artistname</columnname>
        <sequence>1</sequence>
      </COLUMN>
    </PRIMARYKEY>
    <FOREIGNKEYS />
    <INDEXES />
</musician>
<musicianrole>
  <tabletype>TABLE</tabletype>
  <tableschema>sql6449948</tableschema>
  <tableremarks />
  <COLUMNS>
    <COLUMN0>
      <columnname>rolename</columnname>
      <datatype>12</datatype>
      <datatype>12</datatype>
      <size>30</size>
      <decimaldigits>0</decimaldigits>
      <numericprecisionradix>10</numericprecisionradix>
      <nullable>0</nullable>
      <defautlvalue />
      <sequence>1</sequence>
      <fullname>null.musicianrole.rolename</fullname>
      <javatype>java.lang.String</javatype>
      <remarks>musician role name</remarks>
      <schema>null</schema>
```

```xml
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN0>
    </COLUMNS>
    <PRIMARYKEY>
      <name>PRIMARY</name>
      <COLUMN>
        <columnname>rolename</columnname>
        <sequence>1</sequence>
      </COLUMN>
    </PRIMARYKEY>
    <FOREIGNKEYS />
    <INDEXES />
</musicianrole>
<release>
    <tabletype>TABLE</tabletype>
    <tableschema>sql6449948</tableschema>
    <tableremarks />
    <COLUMNS>
      <COLUMN0>
        <columnname>bandname</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>100</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>1</sequence>
        <fullname>null.release.bandname</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>band foreign key</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN0>
      <COLUMN1>
        <columnname>releasename</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>100</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
```

```xml
      <defautlvalue />
      <sequence>2</sequence>
      <fullname>null.release.releasename</fullname>
      <javatype>java.lang.String</javatype>
      <remarks>album or single name</remarks>
      <schema>null</schema>
      <sqldatatype>0</sqldatatype>
      <sqldatetimesub>0</sqldatetimesub>
      <datatypename>varchar</datatypename>
      <uniformsqltype>12</uniformsqltype>
      <fileondisk>0</fileondisk>
   </COLUMN1>
   <COLUMN2>
      <columnname>releasetype</columnname>
      <datatype>5</datatype>
      <datatype>5</datatype>
      <size>5</size>
      <decimaldigits>0</decimaldigits>
      <numericprecisionradix>10</numericprecisionradix>
      <nullable>0</nullable>
      <defautlvalue />
      <sequence>3</sequence>
      <fullname>null.release.releasetype</fullname>
      <javatype>int</javatype>
      <remarks>releasetype foreign key</remarks>
      <schema>null</schema>
      <sqldatatype>0</sqldatatype>
      <sqldatetimesub>0</sqldatetimesub>
      <datatypename>smallint</datatypename>
      <uniformsqltype>5</uniformsqltype>
      <fileondisk>0</fileondisk>
   </COLUMN2>
   <COLUMN3>
      <columnname>releasedate</columnname>
      <datatype>91</datatype>
      <datatype>91</datatype>
      <size>0</size>
      <decimaldigits>0</decimaldigits>
      <numericprecisionradix>10</numericprecisionradix>
      <nullable>0</nullable>
      <defautlvalue />
      <sequence>4</sequence>
      <fullname>null.release.releasedate</fullname>
      <javatype>java.sql.Date</javatype>
      <remarks />
      <schema>null</schema>
      <sqldatatype>0</sqldatatype>
      <sqldatetimesub>0</sqldatetimesub>
      <datatypename>date</datatypename>
      <uniformsqltype>91</uniformsqltype>
```

```xml
          <fileondisk>0</fileondisk>
        </COLUMN3>
      </COLUMNS>
      <PRIMARYKEY>
        <name>PRIMARY</name>
        <COLUMN>
          <columnname>bandname</columnname>
          <sequence>1</sequence>
        </COLUMN>
        <COLUMN>
          <columnname>releasename</columnname>
          <sequence>2</sequence>
        </COLUMN>
        <COLUMN>
          <columnname>releasetype</columnname>
          <sequence>3</sequence>
        </COLUMN>
      </PRIMARYKEY>
      <FOREIGNKEYS>
        <FOREIGNKEY0>
          <primarykeyschema>sql6449948</primarykeyschema>
          <primarykeytable>releasetype</primarykeytable>
          <foreignkeyschema>sql6449948</foreignkeyschema>
          <foreignkeytable>release</foreignkeytable>
          <pkname />
          <fkname>release_FK</fkname>
          <fkjavaname>releasetype</fkjavaname>
          <COLUMN0>
            <ftable>releasetype</ftable>
            <pcolumnname>releasetype</pcolumnname>
            <ptable>release</ptable>
            <fcolumnname>releasetype</fcolumnname>
            <sequence>1</sequence>
            <partofprimarykey>0</partofprimarykey>
          </COLUMN0>
        </FOREIGNKEY0>
        <FOREIGNKEY1>
          <primarykeyschema>sql6449948</primarykeyschema>
          <primarykeytable>band</primarykeytable>
          <foreignkeyschema>sql6449948</foreignkeyschema>
          <foreignkeytable>release</foreignkeytable>
          <pkname />
          <fkname>release_FK_1</fkname>
          <fkjavaname>band</fkjavaname>
          <COLUMN0>
            <ftable>band</ftable>
            <pcolumnname>bandname</pcolumnname>
            <ptable>release</ptable>
            <fcolumnname>bandname</fcolumnname>
            <sequence>1</sequence>
```

```xml
            <partofprimarykey>0</partofprimarykey>
          </COLUMN0>
        </FOREIGNKEY1>
      </FOREIGNKEYS>
      <INDEXES>
        <INDEX0>
          <indexname>release_FK</indexname>
          <unique>false</unique>
          <COLUMNS>
            <COLUMN0>
              <columnname>releasetype</columnname>
              <sequence>1</sequence>
            </COLUMN0>
          </COLUMNS>
        </INDEX0>
      </INDEXES>
    </release>
    <releasetype>
      <tabletype>TABLE</tabletype>
      <tableschema>sql6449948</tableschema>
      <tableremarks />
      <COLUMNS>
        <COLUMN0>
          <columnname>releasetype</columnname>
          <datatype>5</datatype>
          <datatype>5</datatype>
          <size>5</size>
          <decimaldigits>0</decimaldigits>
          <numericprecisionradix>10</numericprecisionradix>
          <nullable>0</nullable>
          <defautlvalue />
          <sequence>1</sequence>
          <fullname>null.releasetype.releasetype</fullname>
          <javatype>int</javatype>
          <remarks>release type code</remarks>
          <schema>null</schema>
          <sqldatatype>0</sqldatatype>
          <sqldatetimesub>0</sqldatetimesub>
          <datatypename>smallint</datatypename>
          <uniformsqltype>5</uniformsqltype>
          <fileondisk>0</fileondisk>
        </COLUMN0>
        <COLUMN1>
          <columnname>releasetypename</columnname>
          <datatype>12</datatype>
          <datatype>12</datatype>
          <size>25</size>
          <decimaldigits>0</decimaldigits>
          <numericprecisionradix>10</numericprecisionradix>
          <nullable>0</nullable>
```

```xml
          <defautlvalue />
          <sequence>2</sequence>
          <fullname>null.releasetype.releasetypename</fullname>
          <javatype>java.lang.String</javatype>
          <remarks>type name</remarks>
          <schema>null</schema>
          <sqldatatype>0</sqldatatype>
          <sqldatetimesub>0</sqldatetimesub>
          <datatypename>varchar</datatypename>
          <uniformsqltype>12</uniformsqltype>
          <fileondisk>0</fileondisk>
        </COLUMN1>
        <COLUMN2>
          <columnname>releasetypedescription</columnname>
          <datatype>12</datatype>
          <datatype>12</datatype>
          <size>100</size>
          <decimaldigits>0</decimaldigits>
          <numericprecisionradix>10</numericprecisionradix>
          <nullable>1</nullable>
          <defautlvalue />
          <sequence>3</sequence>
          <fullname>null.releasetype.releasetypedescription</fullname>
          <javatype>java.lang.String</javatype>
          <remarks>full description</remarks>
          <schema>null</schema>
          <sqldatatype>0</sqldatatype>
          <sqldatetimesub>0</sqldatetimesub>
          <datatypename>varchar</datatypename>
          <uniformsqltype>12</uniformsqltype>
          <fileondisk>0</fileondisk>
        </COLUMN2>
      </COLUMNS>
      <PRIMARYKEY>
        <name>PRIMARY</name>
        <COLUMN>
          <columnname>releasetype</columnname>
          <sequence>1</sequence>
        </COLUMN>
      </PRIMARYKEY>
      <FOREIGNKEYS />
      <INDEXES />
  </releasetype>
  <song>
    <tabletype>TABLE</tabletype>
    <tableschema>sql6449948</tableschema>
    <tableremarks />
    <COLUMNS>
      <COLUMN0>
        <columnname>bandname</columnname>
```

```xml
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>100</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>1</sequence>
        <fullname>null.song.bandname</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>release foreign key</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
    </COLUMN0>
    <COLUMN1>
        <columnname>releasename</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>100</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>2</sequence>
        <fullname>null.song.releasename</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>release foreign key</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
    </COLUMN1>
    <COLUMN2>
        <columnname>releasetype</columnname>
        <datatype>5</datatype>
        <datatype>5</datatype>
        <size>5</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>3</sequence>
        <fullname>null.song.releasetype</fullname>
        <javatype>int</javatype>
```

```xml
        <remarks>releasetype foreign key</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>smallint</datatypename>
        <uniformsqltype>5</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN2>
      <COLUMN3>
        <columnname>song</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>100</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>4</sequence>
        <fullname>null.song.song</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>song name</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN3>
      <COLUMN4>
        <columnname>songtext</columnname>
        <datatype>-1</datatype>
        <datatype>12</datatype>
        <size>65535</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>1</nullable>
        <defautlvalue />
        <sequence>5</sequence>
        <fullname>null.song.songtext</fullname>
        <javatype>java.lang.String</javatype>
        <remarks />
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>text</datatypename>
        <uniformsqltype>-1</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN4>
    </COLUMNS>
    <PRIMARYKEY>
```

```xml
      <name>PRIMARY</name>
      <COLUMN>
        <columnname>bandname</columnname>
        <sequence>1</sequence>
      </COLUMN>
      <COLUMN>
        <columnname>releasename</columnname>
        <sequence>2</sequence>
      </COLUMN>
      <COLUMN>
        <columnname>releasetype</columnname>
        <sequence>3</sequence>
      </COLUMN>
      <COLUMN>
        <columnname>song</columnname>
        <sequence>4</sequence>
      </COLUMN>
    </PRIMARYKEY>
    <FOREIGNKEYS>
      <FOREIGNKEY0>
        <primarykeyschema>sql6449948</primarykeyschema>
        <primarykeytable>release</primarykeytable>
        <foreignkeyschema>sql6449948</foreignkeyschema>
        <foreignkeytable>song</foreignkeytable>
        <pkname />
        <fkname>song_FK</fkname>
        <fkjavaname>release</fkjavaname>
        <COLUMN0>
          <ftable>release</ftable>
          <pcolumnname>bandname</pcolumnname>
          <ptable>song</ptable>
          <fcolumnname>bandname</fcolumnname>
          <sequence>1</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN0>
        <COLUMN1>
          <ftable>release</ftable>
          <pcolumnname>releasename</pcolumnname>
          <ptable>song</ptable>
          <fcolumnname>releasename</fcolumnname>
          <sequence>2</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN1>
        <COLUMN2>
          <ftable>release</ftable>
          <pcolumnname>releasetype</pcolumnname>
          <ptable>song</ptable>
          <fcolumnname>releasetype</fcolumnname>
          <sequence>3</sequence>
          <partofprimarykey>0</partofprimarykey>
```

```xml
        </COLUMN2>
      </FOREIGNKEY0>
    </FOREIGNKEYS>
    <INDEXES />
  </song>
  <songcolaborator>
    <tabletype>TABLE</tabletype>
    <tableschema>sql6449948</tableschema>
    <tableremarks />
    <COLUMNS>
      <COLUMN0>
        <columnname>bandname</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>100</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>1</sequence>
        <fullname>null.songcolaborator.bandname</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>song foreign key</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN0>
      <COLUMN1>
        <columnname>releasename</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>100</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>2</sequence>
        <fullname>null.songcolaborator.releasename</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>song foreign key</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
      </COLUMN1>
```

```xml
<COLUMN2>
  <columnname>releasetype</columnname>
  <datatype>5</datatype>
  <datatype>5</datatype>
  <size>5</size>
  <decimaldigits>0</decimaldigits>
  <numericprecisionradix>10</numericprecisionradix>
  <nullable>0</nullable>
  <defautlvalue />
  <sequence>3</sequence>
  <fullname>null.songcolaborator.releasetype</fullname>
  <javatype>int</javatype>
  <remarks>song foreign key</remarks>
  <schema>null</schema>
  <sqldatatype>0</sqldatatype>
  <sqldatetimesub>0</sqldatetimesub>
  <datatypename>smallint</datatypename>
  <uniformsqltype>5</uniformsqltype>
  <fileondisk>0</fileondisk>
</COLUMN2>
<COLUMN3>
  <columnname>song</columnname>
  <datatype>12</datatype>
  <datatype>12</datatype>
  <size>100</size>
  <decimaldigits>0</decimaldigits>
  <numericprecisionradix>10</numericprecisionradix>
  <nullable>0</nullable>
  <defautlvalue />
  <sequence>4</sequence>
  <fullname>null.songcolaborator.song</fullname>
  <javatype>java.lang.String</javatype>
  <remarks>song foreign key</remarks>
  <schema>null</schema>
  <sqldatatype>0</sqldatatype>
  <sqldatetimesub>0</sqldatetimesub>
  <datatypename>varchar</datatypename>
  <uniformsqltype>12</uniformsqltype>
  <fileondisk>0</fileondisk>
</COLUMN3>
<COLUMN4>
  <columnname>artistname</columnname>
  <datatype>12</datatype>
  <datatype>12</datatype>
  <size>50</size>
  <decimaldigits>0</decimaldigits>
  <numericprecisionradix>10</numericprecisionradix>
  <nullable>0</nullable>
  <defautlvalue />
  <sequence>5</sequence>
```

```xml
          <fullname>null.songcolaborator.artistname</fullname>
          <javatype>java.lang.String</javatype>
          <remarks>musician foreign key</remarks>
          <schema>null</schema>
          <sqldatatype>0</sqldatatype>
          <sqldatetimesub>0</sqldatetimesub>
          <datatypename>varchar</datatypename>
          <uniformsqltype>12</uniformsqltype>
          <fileondisk>0</fileondisk>
        </COLUMN4>
      </COLUMNS>
      <PRIMARYKEY>
        <name>PRIMARY</name>
        <COLUMN>
          <columnname>artistname</columnname>
          <sequence>5</sequence>
        </COLUMN>
        <COLUMN>
          <columnname>bandname</columnname>
          <sequence>1</sequence>
        </COLUMN>
        <COLUMN>
          <columnname>releasename</columnname>
          <sequence>2</sequence>
        </COLUMN>
        <COLUMN>
          <columnname>releasetype</columnname>
          <sequence>3</sequence>
        </COLUMN>
        <COLUMN>
          <columnname>song</columnname>
          <sequence>4</sequence>
        </COLUMN>
      </PRIMARYKEY>
      <FOREIGNKEYS>
        <FOREIGNKEY0>
          <primarykeyschema>sql6449948</primarykeyschema>
          <primarykeytable>musician</primarykeytable>
          <foreignkeyschema>sql6449948</foreignkeyschema>
          <foreignkeytable>songcolaborator</foreignkeytable>
          <pkname />
          <fkname>songcolaborator_FK</fkname>
          <fkjavaname>musician</fkjavaname>
          <COLUMN0>
            <ftable>musician</ftable>
            <pcolumnname>artistname</pcolumnname>
            <ptable>songcolaborator</ptable>
            <fcolumnname>artistname</fcolumnname>
            <sequence>1</sequence>
            <partofprimarykey>0</partofprimarykey>
```

```xml
        </COLUMN0>
      </FOREIGNKEY0>
      <FOREIGNKEY1>
        <primarykeyschema>sql6449948</primarykeyschema>
        <primarykeytable>song</primarykeytable>
        <foreignkeyschema>sql6449948</foreignkeyschema>
        <foreignkeytable>songcolaborator</foreignkeytable>
        <pkname />
        <fkname>songcolaborator_FK_1</fkname>
        <fkjavaname>song</fkjavaname>
        <COLUMN0>
          <ftable>song</ftable>
          <pcolumnname>bandname</pcolumnname>
          <ptable>songcolaborator</ptable>
          <fcolumnname>bandname</fcolumnname>
          <sequence>1</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN0>
        <COLUMN1>
          <ftable>song</ftable>
          <pcolumnname>releasename</pcolumnname>
          <ptable>songcolaborator</ptable>
          <fcolumnname>releasename</fcolumnname>
          <sequence>2</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN1>
        <COLUMN2>
          <ftable>song</ftable>
          <pcolumnname>releasetype</pcolumnname>
          <ptable>songcolaborator</ptable>
          <fcolumnname>releasetype</fcolumnname>
          <sequence>3</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN2>
        <COLUMN3>
          <ftable>song</ftable>
          <pcolumnname>song</pcolumnname>
          <ptable>songcolaborator</ptable>
          <fcolumnname>song</fcolumnname>
          <sequence>4</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN3>
      </FOREIGNKEY1>
    </FOREIGNKEYS>
    <INDEXES>
      <INDEX0>
        <indexname>songcolaborator_FK</indexname>
        <unique>false</unique>
        <COLUMNS>
          <COLUMN0>
```

```
                <columnname>artistname</columnname>
                <sequence>1</sequence>
              </COLUMN0>
            </COLUMNS>
          </INDEX0>
        </INDEXES>
    </songcolaborator>
    <songcolaboratorrole>
      <tabletype>TABLE</tabletype>
      <tableschema>sql6449948</tableschema>
      <tableremarks />
      <COLUMNS>
        <COLUMN0>
          <columnname>bandname</columnname>
          <datatype>12</datatype>
          <datatype>12</datatype>
          <size>100</size>
          <decimaldigits>0</decimaldigits>
          <numericprecisionradix>10</numericprecisionradix>
          <nullable>0</nullable>
          <defautlvalue />
          <sequence>1</sequence>
          <fullname>null.songcolaboratorrole.bandname</fullname>
          <javatype>java.lang.String</javatype>
          <remarks>songcolaborator foreign key</remarks>
          <schema>null</schema>
          <sqldatatype>0</sqldatatype>
          <sqldatetimesub>0</sqldatetimesub>
          <datatypename>varchar</datatypename>
          <uniformsqltype>12</uniformsqltype>
          <fileondisk>0</fileondisk>
        </COLUMN0>
        <COLUMN1>
          <columnname>releasename</columnname>
          <datatype>12</datatype>
          <datatype>12</datatype>
          <size>100</size>
          <decimaldigits>0</decimaldigits>
          <numericprecisionradix>10</numericprecisionradix>
          <nullable>0</nullable>
          <defautlvalue />
          <sequence>2</sequence>
          <fullname>null.songcolaboratorrole.releasename</fullname>
          <javatype>java.lang.String</javatype>
          <remarks>songcolaborator foreign key</remarks>
          <schema>null</schema>
          <sqldatatype>0</sqldatatype>
          <sqldatetimesub>0</sqldatetimesub>
          <datatypename>varchar</datatypename>
          <uniformsqltype>12</uniformsqltype>
```

```xml
      <fileondisk>0</fileondisk>
    </COLUMN1>
    <COLUMN2>
      <columnname>releasetype</columnname>
      <datatype>5</datatype>
      <datatype>5</datatype>
      <size>5</size>
      <decimaldigits>0</decimaldigits>
      <numericprecisionradix>10</numericprecisionradix>
      <nullable>0</nullable>
      <defautlvalue />
      <sequence>3</sequence>
      <fullname>null.songcolaboratorrole.releasetype</fullname>
      <javatype>int</javatype>
      <remarks>songcolaborator foreign key</remarks>
      <schema>null</schema>
      <sqldatatype>0</sqldatatype>
      <sqldatetimesub>0</sqldatetimesub>
      <datatypename>smallint</datatypename>
      <uniformsqltype>5</uniformsqltype>
      <fileondisk>0</fileondisk>
    </COLUMN2>
    <COLUMN3>
      <columnname>song</columnname>
      <datatype>12</datatype>
      <datatype>12</datatype>
      <size>100</size>
      <decimaldigits>0</decimaldigits>
      <numericprecisionradix>10</numericprecisionradix>
      <nullable>0</nullable>
      <defautlvalue />
      <sequence>4</sequence>
      <fullname>null.songcolaboratorrole.song</fullname>
      <javatype>java.lang.String</javatype>
      <remarks>songcolaborator foreign key</remarks>
      <schema>null</schema>
      <sqldatatype>0</sqldatatype>
      <sqldatetimesub>0</sqldatetimesub>
      <datatypename>varchar</datatypename>
      <uniformsqltype>12</uniformsqltype>
      <fileondisk>0</fileondisk>
    </COLUMN3>
    <COLUMN4>
      <columnname>artistname</columnname>
      <datatype>12</datatype>
      <datatype>12</datatype>
      <size>50</size>
      <decimaldigits>0</decimaldigits>
      <numericprecisionradix>10</numericprecisionradix>
      <nullable>0</nullable>
```

```xml
        <defautlvalue />
        <sequence>5</sequence>
        <fullname>null.songcolaboratorrole.artistname</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>songcolaborator foreign key</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
    </COLUMN4>
    <COLUMN5>
        <columnname>rolename</columnname>
        <datatype>12</datatype>
        <datatype>12</datatype>
        <size>30</size>
        <decimaldigits>0</decimaldigits>
        <numericprecisionradix>10</numericprecisionradix>
        <nullable>0</nullable>
        <defautlvalue />
        <sequence>6</sequence>
        <fullname>null.songcolaboratorrole.rolename</fullname>
        <javatype>java.lang.String</javatype>
        <remarks>musicianrole foreign key</remarks>
        <schema>null</schema>
        <sqldatatype>0</sqldatatype>
        <sqldatetimesub>0</sqldatetimesub>
        <datatypename>varchar</datatypename>
        <uniformsqltype>12</uniformsqltype>
        <fileondisk>0</fileondisk>
    </COLUMN5>
</COLUMNS>
<PRIMARYKEY>
    <name>PRIMARY</name>
    <COLUMN>
        <columnname>artistname</columnname>
        <sequence>5</sequence>
    </COLUMN>
    <COLUMN>
        <columnname>bandname</columnname>
        <sequence>1</sequence>
    </COLUMN>
    <COLUMN>
        <columnname>releasename</columnname>
        <sequence>2</sequence>
    </COLUMN>
    <COLUMN>
        <columnname>releasetype</columnname>
        <sequence>3</sequence>
```

```xml
      </COLUMN>
      <COLUMN>
        <columnname>rolename</columnname>
        <sequence>6</sequence>
      </COLUMN>
      <COLUMN>
        <columnname>song</columnname>
        <sequence>4</sequence>
      </COLUMN>
    </PRIMARYKEY>
    <FOREIGNKEYS>
      <FOREIGNKEY0>
        <primarykeyschema>sql6449948</primarykeyschema>
        <primarykeytable>songcolaborator</primarykeytable>
        <foreignkeyschema>sql6449948</foreignkeyschema>
        <foreignkeytable>songcolaboratorrole</foreignkeytable>
        <pkname />
        <fkname>songcolaboratorrole_FK</fkname>
        <fkjavaname>songcolaborator</fkjavaname>
        <COLUMN0>
          <ftable>songcolaborator</ftable>
          <pcolumnname>bandname</pcolumnname>
          <ptable>songcolaboratorrole</ptable>
          <fcolumnname>bandname</fcolumnname>
          <sequence>1</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN0>
        <COLUMN1>
          <ftable>songcolaborator</ftable>
          <pcolumnname>releasename</pcolumnname>
          <ptable>songcolaboratorrole</ptable>
          <fcolumnname>releasename</fcolumnname>
          <sequence>2</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN1>
        <COLUMN2>
          <ftable>songcolaborator</ftable>
          <pcolumnname>releasetype</pcolumnname>
          <ptable>songcolaboratorrole</ptable>
          <fcolumnname>releasetype</fcolumnname>
          <sequence>3</sequence>
          <partofprimarykey>0</partofprimarykey>
        </COLUMN2>
        <COLUMN3>
          <ftable>songcolaborator</ftable>
          <pcolumnname>song</pcolumnname>
          <ptable>songcolaboratorrole</ptable>
          <fcolumnname>song</fcolumnname>
          <sequence>4</sequence>
          <partofprimarykey>0</partofprimarykey>
```

```xml
          </COLUMN3>
          <COLUMN4>
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