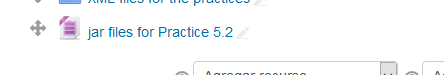
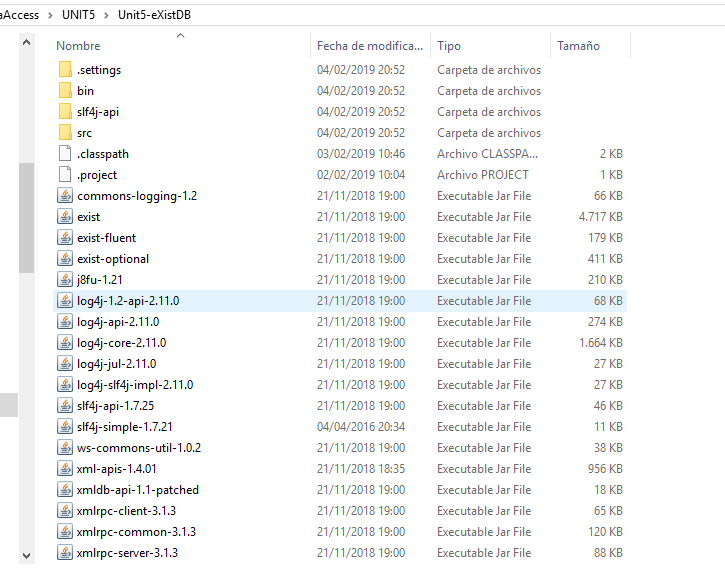
PRACTICE 5.2. ACCESS TO EXISTDB WITH JAVA

STEP 1. Crate a new project “Unit5-existdb”.

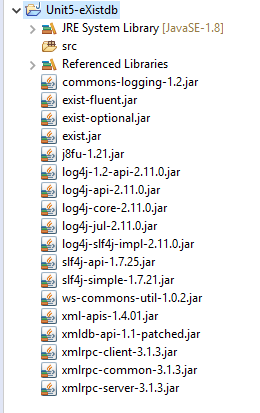
Copy the file exist.jar from C:\eXist-db in the root of the project.

Copy all the following files \*.jar in the root of the project. You can find the files in the exist-db folder, or download them from UNIT 5 in “aulavirtual” in the zip folder





STEP 2: ADD ALL THE JARs TO THE PROJECT: Build Path>>Configure build path>>Add JARs…



STEP 3: Create a program to access the database:

**import** org.xmldb.api.\*;

**import** org.xmldb.api.base.\*;

**import** org.xmldb.api.modules.\*;

**public** **class** AccessExistDB {

**public** **static** **void** main(String[] args) **throws** Exception{

String driver="org.exist.xmldb.DatabaseImpl";

Collection col=**null**;

//String uri="xmldb:exist://192.168.1.107:8080/exist/xmlrpc/db/prueba";//ip de casa

//String uri="xmldb:exist://embedded-eXist-server";

String uri="xmldb:exist://192.168.31.1:8083/exist/xmlrpc/db/prueba";

String user="admin";

String pass="Patata1234";

**try**{

Class cl=Class.*forName*(driver);

System.***out***.println("Driver found for "+driver);

Database db=(Database) cl.newInstance();

System.***out***.println("Db instance created");

DatabaseManager.*registerDatabase*(db);

System.***out***.println("Database registered");

//we do the connection with the method getCollection

col=DatabaseManager.*getCollection*(uri,user,pass);

System.***out***.println("Conected to database "+ uri);

**if**(col==**null**){

System.***out***.println("----------collection not found--------");

}**else**{

System.***out***.println("The collection has resources:"+col.getResourceCount());

System.***out***.println(col.listResources()[0]);//shows the firs resource

}

//We do a query and show the results with an iterator

XPathQueryService servicio=(XPathQueryService)col.getService("XPathQueryService", "1.0");

ResourceSet result=servicio.query("for $b in /Books/Book/Title/text() return $b");

System.***out***.println("Number of results:"+result.getSize());

ResourceIterator it=result.getIterator();

**while**(it.hasMoreResources()){

Resource r=(Resource) it.nextResource();

System.***out***.println((String)r.getContent());

}

col.close();

}**catch**(Exception e){

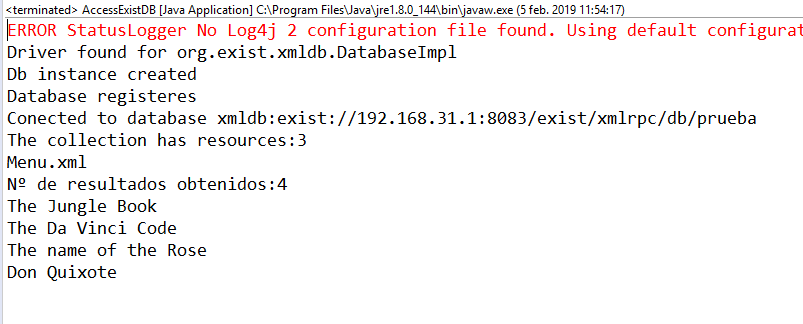
e.printStackTrace();

}

}

}

The result is the titles of the books in our collection



COMMENT: the line in red is a message from the logger, not a program error. I haven’t been able to solve the logging problem. If you do, please tell me to share with the rest of the class.