# libSBOLj v.02 Tutorial

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# Write SBOL RDF or Json data from a GenBank File

*The code in this example can be found in libSBOLjUseExample.Main*

## Create a new SBOLutil object

SBOLutil sU = new SBOLutil();

## Read GenBank file RichSequenceIterator aRsIter = sU.fromGenBankFile("test\\test\_files\\BFa\_8.15.gb");

## Get a new Library object from RichSequence objects

BioJava-1.7.1

Library aBioFABlib = sU.fromRichSequenceIter(aRsIter);

## Serialize the Library object to RDF or Json

System.out.println("aBioFABlib json: \n" + sU.toJson(aBioFABlib));

System.out.println("aBioFABlib RDF: \n"+ sU.toRDF(aBioFABlib));

# Read SBOL RDF data into a Library object

String rdfString = sU.toRDF(aBioFABlib);

SbolService aS = sU.fromRDF(rdfString);

Library lib = aS.getLibrary("BioFabLib\_1");

System.out.println("lib Contains: "+lib.getComponents().iterator().next().getName());

# Create a New SBOL Library object

# Access members of Library