Java Connectivity JDK 1.8 with Access

Source: <http://stackoverflow.com/questions/21955256/manipulating-an-access-database-from-java-without-odbc>

* the JDBC-ODBC Bridge has been removed from Java SE 8 and is not supported (ref: [here](http://docs.oracle.com/javase/7/docs/technotes/guides/jdbc/bridge.html)),
* the JDBC-ODBC Bridge does not work properly with the Access ODBC driver when text includes Unicode characters with code points above U+00FF (ref: [here](http://stackoverflow.com/a/20982205/2144390)), so such a setup would not be able to handle characters such as Greek, Russian, Chinese, Arabic, etc.,
* the Access ODBC driver from Microsoft only works in Windows, and
* there are separate 32-bit and 64-bit versions of the Access Database Engine (and ODBC driver) which can be a nuisance for deployment.

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| d | [UCanAccess](http://ucanaccess.sourceforge.net/site.html) is a pure Java JDBC driver that allows us to read from and write to Access databases without using ODBC. It uses two other packages, [Jackcess](http://jackcess.sourceforge.net/) and [HSQLDB](http://hsqldb.org/), to perform these tasks. The following is a brief overview of how to get it set up. |

 UCanAccess, an open source Java JDBC Driver implementation which allows Java developers and jdbc client programs (e.g., DBeaver, NetBeans, SQLeo, Open Office Base, Libre Office Base, Squirrell) to read/write Microsoft Access database.

Because it is a pure java implementation it run in both Windows and non-Windows Operative Systems(e.g., linux/unix). **No ODBC needed**. UCanAccess uses:

* Jackcess as Ms Access Input/Output library (Web site: <http://jackcess.sourceforge.net/>).
* Hsqldb as synchronized DBMS (Web site: <http://hsqldb.org/>).