TestDBConnection

This is a simple Java application that connects to Oracle using a valid Oracle account and password. The application requires a valid [jdbc connection string for Oracle](https://docs.oracle.com/cd/E11882_01/appdev.112/e13995/oracle/jdbc/OracleDriver.html), an Oracle user id, and an Oracle password.

You can execute the testDBConnection.bat script from Windows Explorer by double clicking it or run it from a command prompt window by typing in testDBConnection.bat. Change the connection string by editing DBConnection.properties and changing ConnectionString=. The # symbols at the beginning of a properties file line make it a comment.

The Windows batch script performs the following:

* Locates the path of the java.exe via the registry
  + If the java.exe’s path cannot be found, the script indicates that and terminates
  + To correct this problem install the Java Runtime on your PC
* TestDBConnection will look for a file called DBConnection.properties
  + It will locate the file provided the directory containing it is in the classpath passed to the java virtual machine. If it is in the same directory as the script a single dot is used in the classpath
* The classpath must also contain two jar files
  + TestDBConnection.jar which contains:
    - DBConnection class
    - TestDBConnection class
  + ojdbc6.jar
    - which contains the Oracle software to make the connection
    - this file is supplied by Oracle and can be found on their website
  + The Java application tries to make a connection using the jdbc connection string, the Oracle user id, and the password for the Oracle user id
  + If the connection fails, the application issues whatever Exception was raised that caused the failure
  + If the connection succeeds, the application issues a success message
  + The application then terminates

For Unix/Linux, sftp the testDBConnection.gzip file to the server. Extract the files by running the following commands:

1. gunzip testDBConnection.gzip
2. tar xf testDBConnection.tar

This should extract the files to a directory named testDBConnection. cd to testDBConnection. Update DBConnection.properties with the appropriate values and run the script by entering the following:

testDBConnection.ksh <tnsname>

where <tnsname> is the same tnsname used by the ConnectionString.