Pre-Requisite:

Complete installation of Python 2.7.13, JDK 1.8, Jython 2.7 and its standard libraries (xmltodict & pyparsing) and modules are required to be installed into the system before proceeding further.

How to run ?

1. Download the folder kxv150930\_DavisBase

2. Set your ~/.profile with the following :

export JYTHONPATH='/Users/kruthikavishwanath/Documents/Spring\_2017/Database\_Design/DavisBASE/SOLUTION/dbase\_Headers/customHDR.py'

export CLASSPATH='/Users/kruthikavishwanath/Documents/Spring\_2017/Database\_Design/DavisBASE/SOLUTION/':'/Users/kruthikavishwanath/Documents/Spring\_2017/Database\_Design/DavisBASE/SOLUTION/bPlusTree':'/Users/kruthikavishwanath/Documents/Spring\_2017/Database\_Design/DavisBASE/SOLUTION/bPlusTree/com.springsource.jdbm-1.0.0.jar':$'/Users/kruthikavishwanath/Documents/Spring\_2017/Database\_Design/DavisBASE/SOLUTION/dbase\_Headers/':'/usr/local/Cellar/jython/2.7.0/libexec':'/usr/local/Cellar/jython/2.7.0/libexec/jython.jar':JYTHONPATH

export PATH=$PATH:$CLASSPATH

export LC\_ALL=en\_US.UTF-8

export LANG=en\_US.UTF-8

3. Run ~/.profile using source ~/.profile

4. Compile as follows

. Change to SOLUTION directory

. javac -cp '/usr/local/Cellar/jython/2.7.0/libexec/jython.jar':'/Users/kruthikavishwanath/Documents/Spring\_2017/Database\_Design/DavisBASE/SOLUTION/bPlusTree':'/Users/kruthikavishwanath/Documents/Spring\_2017/Database\_Design/DavisBASE/SOLUTION/bPlusTree/com.springsource.jdbm-1.0.0.jar' -d . debugInterface.java bptpdInterface.java BPT.java javaBPTMain.java javaBPTTblInsert.java javaBPTTblDrop.java javaBPTTblSQLProcessing.java

Ignore the following warning (if visible)

Note: Some input files use unchecked or unsafe operations.

Note: Recompile with -Xlint:unchecked for details.

5. Run the davisql.py to fire up DavisBASE. It can be executed in UNIX as shown below

./DavisBASE/SOLUTION/davisql.py

Initial run will take some time to boot up since the Pythonic-Java Classes are to be compiled and linked by Jython.

See Examples file for sample commands

Note :

1. Development and Testing is done over MacOSX Sierra. Testing over other OS platforms may vary and the steps mentioned above might not hold true for all OS. Hence its upto the end user to sort the same.

2. In the above paths used ~/.profile you can replace this path: /Users/kruthikavishwanath/Documents/Spring\_2017/Database\_Design/ with the one on your system.