

BST Example:

An Example of creating a binary search tree example with BRIDGES is at http://bridgesuncc.github.io/Hello_World_Tutorials/BST.html

You can adapt this example to the earthquake example as detailed in the project description document. However, the BST class is the responsibility of the end user and not part of BRIDGES (instructors may contact us for more detailed solutions).

The earthquake example in this example program reads the most recent 50 earthquake records and visualizes it on a web link output by the application.

To view the visualization, navigate to the link on your browser. Mousing over a node shows information about the quake location, time, date, etc. The key values at the nodes are the quake magnitudes

BRIDGES Installation with IDEs:

Refer to http://bridgesuncc.github.io/bridges_setup.html

Building BRIDGES programs:

1. Using IDE: Import the source files(.java) to build an application and include the Jar file (downloaded from the BRIDGES site).
2. Command Line: You must set the CLASSPATH.

a) Using csh (C shell)

```
setenv CLASSPATH ./bridges-2.2.0.jar:
javac *.java
java bridges-executable
```

b) Using sh (Bourne shell) or bash or ksh

```
CLASSPATH=./bridges-2.2.0.jar; export CLASSPATH;
javac *.java
java bridges-executable
```

(where bridges-executable is the java executable file)

Visualization Interaction:

- * Use the left button to move the visualization
- * Use the mouse middle button to zoom in/out
- * mouseover any node to see more info about earthquakes (note that each run of the application will pick the most recent set of quakes)

Additional Support/Help: Use the Contact Us button for any additional help from the BRIDGES team (<http://bridgesuncc.github.io/>);