Relational Algebra Calculator Instructions
In this assignment, you are going to use an online relational algebra calculator ([http://138.232.66.66/ra/calc.htm](http://138.232.66.66/ra/calc.htm)) that allows you to enter a relational algebra query expression or a SQL query and see the result. We have preloaded sample data. All you need to do is to type your relational algebra expressions and check the results. Here’s how to use the site.


2. Click the “UIBK - R,S,T” button. In the “gist ID” box, type `ab42a6b9cad8d295254a5c297b63a9ab` and click the “Load” button. All the data are loaded on the browser side, which means you will have to reload every time you refresh or reopen this page.

3. You should see the “Success” message. Now the TrueOnlyUSNews.com relations have loaded into your browser. You can execute a relational algebra expression by typing one in the right pane.
4. In the following example, we use the projection (\( \pi \)) operator, the “name” field, and the relation “Publisher”. After typing this relational algebra expression, click “> Execute query” and you will see the result along with a tree representation of the query.
5. If you would like to try SQL as well, you can click the ‘SQL’ tab to change to SQL query mode.

6. For more details on syntax, click the “Help” button or visit http://138.232.66.66/ra/help.htm.