CS 562 - APPLIED SOFTWARE ENGINEERING

As a class project, I'm testing the library **pyparsing.py** which is used to create simple grammar.

As of now, I have tested few methods of the pyparsing.py module by creating a grammar for executing arithmetic expressions and SQL queries.

Instructions to run –

Step 1

Import the following files from github to a folder pyparsing

1. pyparsing.py
2. calculator.py
3. calculator.tstl
4. SimpleSQL.py
5. SimpleSQL.tstl
6. randomtester.py

Step 2

Navigate to the folder pyparsing (where the above 6 files are there) in the terminal.

Step 3

Run the following commands to execute the tstl code –

tstl *filename.tstl*

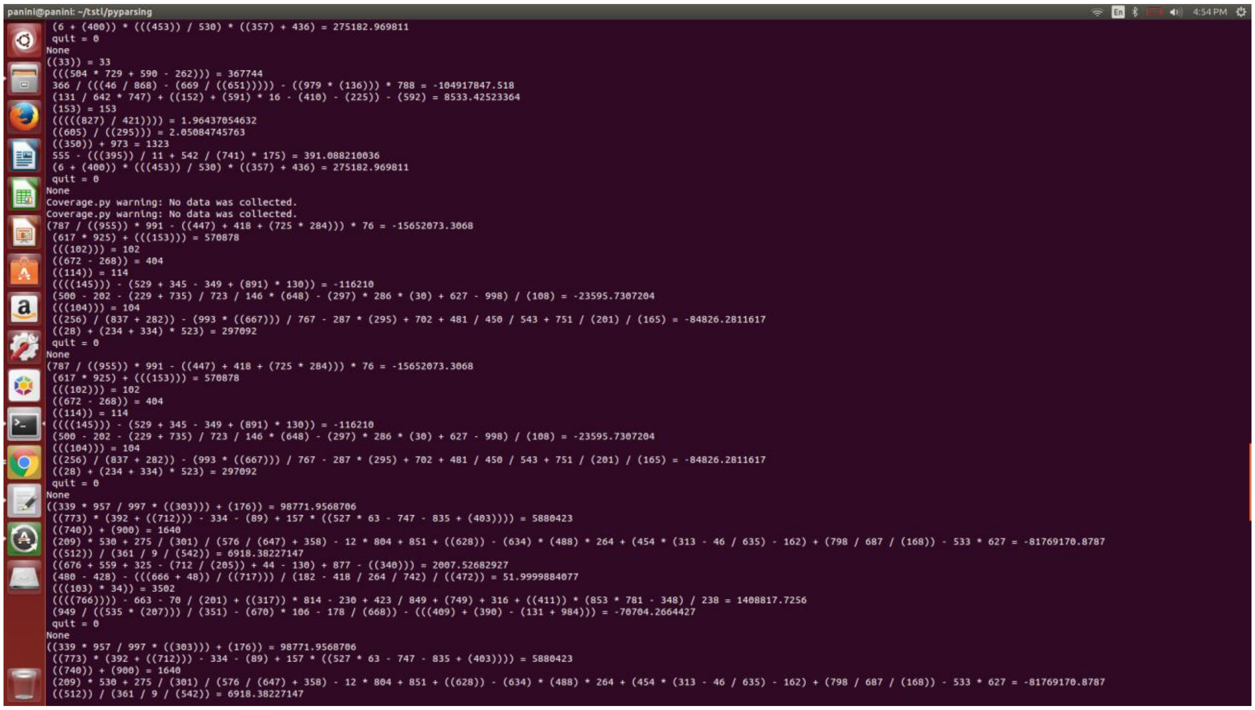
python *randomtester.py*

calculator module will output the values of expressions generated randomly.

simpleSQL module will output the column names, tables and the where conditions of a given SQL query.

Output screens

For calculator module



For simpleSQL module