The file TestLogic.py is setup to test your logic work

It refers to functions that we have outlined in class.

You will need to wrap these functions around whatever you have written. The assumption

is that you have each of these already written and will only have to fit them to the test

form.

Examples of the functions that need to be used are in stubs.py.

The test file assumes that you have a class "kb" for your knowledge base can is included in

most function call.

You need to have your code in the file logic.py for test.py to find it.

For your testing, this file plus the three data files (asserts.txt, retracts.txt, and

ask.txt) all have to be in the same folder. read.py needs to be there too.

The file trace.txt is the test functions run against my code. This code prints out a lot for

diagnostic purposes. Your output should be similar, but does not have to be identical. It should

additions, removals, inference, and the ability to test for the truth of statements.

This file directly tests the following:

ASSERT (here called KB_assert. It take either a statement or a rule and

adds them to the knowledge base. It then checks to see if there are any inferences

based on existing rules and facts that can be made.

ASK (here called KB_ask). It takes a statement and returns a list of bindings that

can be used to instantiate that pattern.

INSTANTIATE (here called instantiate) that takes a pattern and a set of bindings

and builds a new, complete statement

RETRACT (here called KB_retract) that takes a statement (not a rule) and removes

it from the knowledge base and then removes all facts and rules that it might support.

WHY (here called KB_why) that takes a statement, finds facts that match it and then maps

out the facts and rules that support it.

ASK+ (here called KB_ask_plus) that takes a list of statements and returns the lists of the various bindings that have to hold for those statements to be true in the data.

The test file also displays the instantiated list of input statements instantiated with the each of the bindings that were found.

You will need to upload your logic.py file as well as the trace that resulted from runnign the tests.