**Documentation for Unit Test Cases**

**Documentation for Integration Test Cases**

**Documentation for System Test Cases**

**4.1 Iteration 1**

SIMPLE: Procedure with assignment statements of the form x = y; (no expressions)

PKB: AST, VarTable, Follows, Parent

PQL: **such that**: Follows, Follows\*, Parent, Parent\*

**4.2 Iteration 2**

SIMPLE: Complete as required for the prototype

PKB: AST, VarTable, Follows, Parent

PQL: **such that**: Follows, Follows\*, Parent, Parent\*

**4.3 Iteration 3**

PKB: AST, VarTable, Follows, Parent, Modifies and Uses (for statements);

PQL: **such that**: Follows, Follows\*, Parent, Parent\*; Modifies and Uses (for statements); **pattern**

**Iteration 1**  
**Source1.txt, Queries1.txt**Test Purpose:   
To test parsing of SIMPLE programs which include multiple procedures but with assignment statements only (no expressions included). To test against SIMPLE program and queries which are case sensitive. Queries will include only Follows relationships.

Required Test Inputs:   
System Testing of CodeParser, PKB components and Query Processor and Query Evaluator.

Expected Test Results:

**Iteration 2**  
**Source2.txt, Queries2-1.txt, Queries2-2.txt**Source2.txt Purpose:   
To test parsing of SIMPLE programs which include multiple procedures, while loops, assignment statements with complex expressions (although Assignment 4 does not require multiplication and subtraction, we have it as our bonus feature).

Queries2-1.txt Purpose:   
Queries will include only Follows, Parent relationships.

Queries2-2.txt Purpose:   
Queries will include Follows\* and Parent\* relationships too.

Required Test Inputs:   
System Testing of CodeParser, PKB components and Query Processor and Query Evaluator.

Expected Test Results:

**Iteration 3**  
Source01.txt, Queries01.txt  
Test Purpose:

Required Test Inputs:

Expected Test Results: