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Symbol Table

Project Documentation

**Work Distribution:**

Chris Enck: Coded SymbolTable

Josh Pavoncello: Coded P1, created documentation

**Test Input/Results:**

1) ----------------------------------------------------------

open

New scope opened.

insert

Enter symbol:

d

Enter associated integer:

1

(d:1) entered into symbol table.

dump

Contents of symbol table:

{d=(d:1)}

close

Top scope closed.

dump

Contents of symbol table:

quit

Testing done

2) ----------------------------------------------------------

open

New scope opened.

insert

Enter symbol:

d

Enter associated integer:

1

(d:1) entered into symbol table.

close

Top scope closed.

lookup

Enter symbol:

d

d not found in top of scope

global

Enter symbol:

d

d not found in symbol table

quit

Testing done

3)----------------------------------------------------------

open

New scope opened.

insert

Enter symbol:

d

Enter associated integer:

1

(d:1) entered into symbol table.

open

New scope opened.

insert

Enter symbol:

d

Enter associated integer:

2

(d:2) entered into symbol table.

global

Enter symbol:

d

(d:2) found in symbol table

lookup

Enter symbol:

d

(d:2) found in top of scope

close

Top scope closed.

global

Enter symbol:

d

(d:1) found in symbol table

lookup

Enter symbol:

d

(d:1) found in top of scope

close

Top scope closed.

global

Enter symbol:

d

d not found in symbol table

lookup

Enter symbol:

d

d not found in top of scope

dump

Contents of symbol table:

quit

Testing done

4)----------------------------------------------------------

open

New scope opened.

insert

Enter symbol:

d

Enter associated integer:

1

(d:1) entered into symbol table.

insert

Enter symbol:

d

Enter associated integer:

2

DuplicateException

at SymbolTable.insert(SymbolTable.java:66)

at P1.main(P1.java:69)

5)----------------------------------------------------------

open

New scope opened.

open

New scope opened.

open

New scope opened.

close

Top scope closed.

close

Top scope closed.

close

Top scope closed.

close

EmptySTException

at SymbolTable.closeScope(SymbolTable.java:31)

at P1.main(P1.java:42)

6)----------------------------------------------------------

close

EmptySTException

at SymbolTable.closeScope(SymbolTable.java:31)

at P1.main(P1.java:42)

7)----------------------------------------------------------

open

New scope opened.

insert

Enter symbol:

a

Enter associated integer:

1

(a:1) entered into symbol table.

insert

Enter symbol:

b

Enter associated integer:

2

(b:2) entered into symbol table.

insert

Enter symbol:

c

Enter associated integer:

3

(c:3) entered into symbol table.

dump

Contents of symbol table:

{a=(a:1), b=(b:2), c=(c:3)}

quit

Testing done