```
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
______
Running tests
Problem 1 > Suite 1 > Case 1
>>> from scheme_reader import *
>>> scheme_read(Buffer(tokenize_lines(['nil'])))
nil
>>> scheme_read(Buffer(tokenize_lines(['1'])))
1
>>> scheme_read(Buffer(tokenize_lines(['true'])))
>>> read_line('3')
3
>>> read_line('-123')
-123
>>> read_line('1.25')
1.25
>>> read_line('true')
True
>>> read_line('(a)')
Frace_Intel (a)/
Traceback (most recent call last):
   File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 178, in read_line
    return scheme_read(Buffer(tokenize_lines([line])))
  File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 123, in scheme_reader.py
return read_tail(src[1:])
TypeError: 'Buffer' object is not subscriptable
# Error: expected
#
      Pair('a', nil)
# but got
       Traceback (most recent call last):
      TypeError: 'Buffer' object is not subscriptable
Run only this test case with "python3 ok -q 01 --suite 1 --case 1"
Test summary
    0 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Running tests
Problem 1 > Suite 1 > Case 1
>>> from scheme_reader import *
>>> scheme_read(Buffer(tokenize_lines(['nil'])))
nil
>>> scheme_read(Buffer(tokenize_lines(['1'])))
>>> scheme_read(Buffer(tokenize_lines(['true'])))
True
>>> read_line('3')
>>> read_line('-123')
-123
>>> read_line('1.25')
1.25
>>> read_line('true')
True
>>> read_line('(a)')
# Error: expected
     Pair(ˈaˈ, nil)
```

but got

```
Run only this test case with "python3 ok -q 01 --suite 1 --case 1"
Test summary
    0 test cases passed before encountering first failed test case
Backup... 100% complete
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{\tt Josephs-MacBook-Air-2:scheme\ Joseph Hayes\$\ python3\ ok\ -q\ 01}
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
             Running tests
Problem 1 > Suite 1 > Case 1
>>> from scheme_reader import *
>>> scheme_read(Buffer(tokenize_lines(['nil'])))
>>> scheme_read(Buffer(tokenize_lines(['1'])))
1
>>> scheme_read(Buffer(tokenize_lines(['true'])))
True
>>> read_line('3')
3
>>> read_line('-123')
-123
>>> read_line('1.25')
1.25
>>> read_line('true')
True
>>> read_line('(a)')
# Error: expected
# Pair('a', nil)
# but got
Run only this test case with "python3 ok -q 01 --suite 1 --case 1"
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Checking for software updates...
OK is up to date
{\tt Josephs-MacBook-Air-2:scheme\ Joseph Hayes\$\ python 3\ ok\ -q\ 01}
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Running tests
Problem 1 > Suite 1 > Case 1
>>> from scheme_reader import *
>>> scheme_read(Buffer(tokenize_lines(['nil'])))
nil
>>> scheme_read(Buffer(tokenize_lines(['1'])))
1
>>> scheme_read(Buffer(tokenize_lines(['true'])))
True
>>> read_line('3')
>>> read_line('-123')
-123
>>> read_line('1.25')
1.25
>>> read_line('true')
True
>>> read_line('(a)')
```

```
Traceback (most recent call last):
    File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 181, in read_line
        return scheme_read(Buffer(tokenize_lines([line])))
    \label{projects/scheme/scheme} File \ "/Users/JosephHayes/Desktop/61A \end{array} Projects/scheme/scheme\_reader.py", line 123, in scheme\_reader.py \end{array} The projects of the project of the proje
        return read tail(src)
    File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 160, in read_tail
       Pair(scheme_read(src), Pair(read_tail(src)))
TypeError: __init__() missing 1 required positional argument: 'second'
# Error: expected
           Pair('a', nil)
# but got
           Traceback (most recent call last):
#
           TypeError: __init__() missing 1 required positional argument: 'second'
Run only this test case with "python3 ok -q 01 --suite 1 --case 1"
        0 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
0K. version v1.13.11
Running tests
Problem 1 > Suite 1 > Case 1
>>> from scheme_reader import *
>>> scheme_read(Buffer(tokenize_lines(['nil'])))
nil
>>> scheme_read(Buffer(tokenize_lines(['1'])))
>>> scheme_read(Buffer(tokenize_lines(['true'])))
True
>>> read_line('3')
3
>>> read_line('-123')
-123
>>> read_line('1.25')
1.25
>>> read_line('true')
True
>>> read line('(a)')
Traceback (most recent call last):
    File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 181, in read_line
    return scheme_read(Buffer(tokenize_lines([line])))
File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 123, in scheme_read
        return read tail(src)
    File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 160, in read_tail
        return Pair(scheme_read(src), Pair(read_tail(src)))
TypeError: __init__() missing 1 required positional argument: 'second'
# Error: expected
           Pair('a', nil)
# but got
           Traceback (most recent call last):
           TypeError: __init__() missing 1 required positional argument: 'second'
Run only this test case with "python3 ok -q 01 --suite 1 --case 1"
Test summary
       0 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates... OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
```

```
Running tests
Problem 1 > Suite 1 > Case 1
>>> from scheme reader import *
>>> scheme_read(Buffer(tokenize_lines(['nil'])))
>>> scheme_read(Buffer(tokenize_lines(['1'])))
1
>>> scheme_read(Buffer(tokenize_lines(['true'])))
True
>>> read_line('3')
3
>>> read_line('-123')
-123
>>> read_line('1.25')
1.25
>>> read_line('true')
True
>>> read_line('(a)')
'a'
# Error: expected
      Pair('a', nil)
# but got
Run only this test case with "python3 ok -q 01 --suite 1 --case 1"
Test summary
    0 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Running tests
Problem 1 > Suite 1 > Case 1
>>> from scheme_reader import *
>>> scheme_read(Buffer(tokenize_lines(['nil'])))
>>> scheme_read(Buffer(tokenize_lines(['1'])))
1
>>> scheme_read(Buffer(tokenize_lines(['true'])))
True
>>> read_line('3')
3
>>> read_line('-123')
-123
>>> read_line('1.25')
1.25
>>> read_line('true')
True
>>> read_line('(a)')
Traceback (most recent call last):
   File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 181, in read_line
    return scheme_read(Buffer(tokenize_lines([line])))
  File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 123, in scheme_read
  return read_tail(src)
File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 160, in read_tail
    return self.Pair(scheme_read(src))
NameError: name 'self' is not defined
# Error: expected
# Pair('a', nil)
# but got
#
      Traceback (most recent call last):
```

NameError: name 'self' is not defined

```
Test summary
    0 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Running tests
Problem 1 > Suite 1 > Case 1
>>> from scheme_reader import \ast
>>> scheme_read(Buffer(tokenize_lines(['nil'])))
nil
>>> scheme_read(Buffer(tokenize_lines(['1'])))
>>> scheme_read(Buffer(tokenize_lines(['true'])))
True
>>> read_line('3')
3
>>> read_line('-123')
-123
>>> read_line('1.25')
1.25
>>> read_line('true')
True >>> read_line('(a)')
Traceback (most recent call last):
  File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 181, in read_line return scheme_read(Buffer(tokenize_lines([line])))
File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 123, in scheme_read
    return read_tail(src)
  File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 160, in read_tail
    return src.Pair(scheme read(src))
AttributeError: 'Buffer' object has no attribute 'Pair'
# Error: expected
#
      Pair('a', nil)
# but got
      Traceback (most recent call last):
      AttributeError: 'Buffer' object has no attribute 'Pair'
Run only this test case with "python3 ok -q 01 --suite 1 --case 1"
Test summary
    0 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
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Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Running tests
Problem 1 > Suite 1 > Case 1
>>> from scheme_reader import \ast
>>> scheme_read(Buffer(tokenize_lines(['nil'])))
nil
>>> scheme_read(Buffer(tokenize_lines(['1'])))
>>> scheme_read(Buffer(tokenize_lines(['true'])))
True
```

Run only this test case with "python3 ok -q 01 --suite 1 --case 1"

```
>>> read_line('3')
>>> read_line('-123')
-123
>>> read_line('1.25')
1.25
>>> read_line('true')
True
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Traceback (most recent call last):
  File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 181, in read_line
  return scheme_read(Buffer(tokenize_lines([line])))
File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 123, in scheme_read return read_tail(src)
  File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 160, in read_tail
    return Pair(scheme_read(src))
TypeError: __init__() missing 1 required positional argument: 'second'
# Error: expected
      Pair('a', nil)
# but got
# Traceback (most recent call last):
      TypeError: __init__() missing 1 required positional argument: 'second'
Run only this test case with "python3 ok -q 01 --suite 1 --case 1"
    0 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Running tests
Problem 1 > Suite 1 > Case 5
>>> from scheme_reader import *
>>> read_tail(Buffer(tokenize_lines(['(1 2 3)'])))
Pair(Pair(1, Pair(2, Pair(3, nil))), nil)
# Error: expected
      SyntaxError
# but got
# Pair(Pair(1, Pair(2, Pair(3, nil))), nil)
Run only this test case with "python3 ok -q 01 --suite 1 --case 5"
Test summary
    4 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
______
Running tests
Problem 1 > Suite 1 > Case 5
>>> from scheme_reader import *
>>> read_tail(Buffer(tokenize_lines(['(1 2 3)'])))
Pair(Pair(1, Pair(2, Pair(3, nil))), nil)
# Error: expected
      SyntaxError
```

```
# but got
# Pair(Pair(1, Pair(2, Pair(3, nil))), nil)
Run only this test case with "python3 ok -q 01 --suite 1 --case 5"
Test summary
    4 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
_______
Running tests
Problem 1 > Suite 1 > Case 1
>>> from scheme_reader import \ast
>>> scheme_read(Buffer(tokenize_lines(['nil'])))
nil
>>> scheme_read(Buffer(tokenize_lines(['1'])))
1
>>> scheme_read(Buffer(tokenize_lines(['true'])))
True
>>> read_line('3')
3
>>> read_line('-123')
-123
>>> read_line('1.25')
1.25
>>> read_line('true')
>>> read_line('(a)')
{\bf SyntaxError:\ unexpected\ end\ of\ file}
# Error: expected
      Pair('a', nil)
# but got
      Traceback (most recent call last):
      SyntaxError: unexpected end of file
Run only this test case with "python3 ok -q 01 --suite 1 --case 1"
Test summary
    0 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Running tests
Problem 1 > Suite 1 > Case 5
>>> from scheme_reader import \ast
>>> read_tail(Buffer(tokenize_lines(['(1 2 3)'])))
Pair(Pair(1, Pair(2, Pair(3, nil))), nil)
# Error: expected
      SyntaxError
# but got
# Pair(Pair(1, Pair(2, Pair(3, nil))), nil)
Run only this test case with "python3 ok -q 01 --suite 1 --case 5"
Test summary
```

```
4 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Running tests
Problem 1 > Suite 1 > Case 5
>>> from scheme_reader import \ast
>>> read_tail(Buffer(tokenize_lines(['(1 2 3)'])))
Pair(Pair(1, Pair(2, Pair(3, nil))), nil)
# Error: expected
      SyntaxError
# but got
      Pair(Pair(1, Pair(2, Pair(3, nil))), nil)
Run only this test case with "python3 ok -q 01 --suite 1 --case 5"
    4 test cases passed before encountering first failed test case
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 01
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Running tests
Test summary
    8 test cases passed! No cases failed.
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
{\tt Josephs-MacBook-Air-2:scheme\ Joseph Hayes\$\ python 3\ ok\ -q\ 01}
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Running tests
Test summary
    8 test cases passed! No cases failed.
Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 02
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
               _____
Checking for software updates...
OK is up to date
Traceback (most recent call last):
  File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/runpy.py", line 193, in _run_module_as_main
```

```
"__main__", mod_spec)
File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/runpy.py", line 85, in _run_code
         exec(code, run_globals)
   exec(code, run_globals)
File "ok/_main__.py", line 46, in <module>
File "ok/client/cli/ok.py", line 188, in main
File "ok/client/api/assignment.py", line 24, in load_assignment
File "ok/client/sources/common/core.py", line 187, in __call__
File "ok/client/api/assignment.py", line 153, in post_instantiation
File "ok/client/api/assignment.py", line 202, in _load_tests
File "ok/client/sources/ok_test/__init__.py", line 51, in load
File "ok/client/sources/common/core.py", line 187, in __call__
File "ok/client/sources/ok_test/models.py", line 45, in post_instant
    File "ok/client/sources/ok_test/models.py", line 45, in post_instantiation File "ok/client/sources/common/core.py", line 170, in __call__ File "ok/client/sources/ok_test/doctest.py", line 20, in __init__
         Then running the module as a script will cause the examples in the
    File "ok/client/sources/common/interpreter.py", line 156, in File "ok/client/sources/ok_test/scheme.py", line 35, in load
         # END PROBLEM 5
    File "ok/client/sources/ok_test/scheme.py", line 89, in _import_scheme
         # Mutation extension
   # Mutation extension
File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/importlib/__init__.py", line 126, in import_module
    return _bootstrap._gcd_import(name[level:], package, level)
File "<frozen importlib._bootstrap>", line 978, in _gcd_import
File "<frozen importlib._bootstrap>", line 961, in _find_and_load
File "<frozen importlib._bootstrap>", line 950, in _find_and_load_unlocked
File "<frozen importlib._bootstrap>", line 655, in _load_unlocked
File "<frozen importlib._bootstrap>", line 678, in exec_module
File "<frozen importlib._bootstrap>", line 205, in _call_with_frames_removed
File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme.py", line 3, in <module>
    from scheme_builtins import *
         from scheme builtins import *
    File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_builtins.py", line 6, in <module>
    from scheme_reader import Pair, nil, repl_str
File "/Users/JosephHayes/Desktop/61A/Projects/scheme_scheme_reader.py", line 163
         raise SyntaxError('expected one expression after '.' but received 2)
SyntaxError: EOL while scanning string literal
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 02 -u
Assignment: Project 4: Scheme Interpreter
OK. version v1.13.11
                                                   _____
Checking for software updates...
OK is up to date
Traceback (most recent call last):
File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/runpy.py", line 193, in _run_module_as_main
    "__main__", mod_spec)

File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/runpy.py", line 85, in _run_code
    exec(code, run_globals)
File "ok/_main_.py", line 46, in <module>
File "ok/client/cli/ok.py", line 188, in main
    File "ok/client/api/assignment.py", line 24, in load_assignment
   File "ok/client/api/assignment.py", line 24, in load_assignment
File "ok/client/sources/common/core.py", line 187, in _call_
File "ok/client/api/assignment.py", line 153, in post_instantiation
File "ok/client/api/assignment.py", line 202, in _load_tests
File "ok/client/sources/ok_test/__init__.py", line 51, in load
File "ok/client/sources/common/core.py", line 187, in _call__
File "ok/client/sources/ok_test/models.py", line 45, in post_instantiation
File "ok/client/sources/common/core.py", line 170, in _call__
File "ok/client/sources/ok_test/doctest.py", line 20, in __init__
Then running the module as a script will cause the examples in the
File "ok/client/sources/common/interpreter.py". line 156. in __init__
    File "ok/client/sources/common/interpreter.py", line 156, in __init__ File "ok/client/sources/ok_test/scheme.py", line 35, in load
        # END PROBLEM 5
    File "ok/client/sources/ok_test/scheme.py", line 89, in _import_scheme
        # Mutation extension
    File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/importlib/__init__.py", line 126, in import_module
   File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/importlib/_in:
    return _bootstrap._gcd_import(name[level:], package, level)
File "<frozen importlib._bootstrap>", line 978, in _gcd_import
File "<frozen importlib._bootstrap>", line 961, in _find_and_load
File "<frozen importlib._bootstrap>", line 950, in _find_and_load_unlocked
File "<frozen importlib._bootstrap>", line 655, in _load_unlocked
File "<frozen importlib._bootstrap>", line 678, in exec_module
File "<frozen importlib._bootstrap>", line 205, in _call_with_frames_removed
File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme.py", line 3, in <module>
    from scheme_builtins import *
File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme.py", line 6 in
    File "/Users/JosephHayes/Desktop/bla/rlojects/scheme," from scheme_reader import Pair, nil, repl_str
File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_reader.py", line 163
    File "/Users/JosephHayes/Desktop/61A/Projects/scheme/scheme_builtins.py", line 6, in <module>
SyntaxError: EOL while scanning string literal
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 02 -u
```

```
Assignment: Project 4: Scheme Interpreter
OK, version v1.13.11
Unlocking tests
At each "? ", type what you would expect the output to be.
Type exit() to quit
Problem 2 > Suite 1 > Case 1
(cases remaining: 8)
>>> from scheme_reader import *
>>> read_line("(a . b)")
Choose the number of the correct choice:
Choose the number of the corr

0) SyntaxError

1) Pair('a', 'b', nil)

2) Pair('a', 'b')

3) Pair('a', Pair('b', nil))

4) Pair('a', Pair('b'))
? 2
-- 0K! --
Problem 2 > Suite 1 > Case 2
(cases remaining: 7)
>>> from scheme_reader import *
>>> read_line("(a b . c)")
Choose the number of the correct choice:
0) Pair('a', 'b', 'c')
1) Pair('a', Pair('b', Pair('c')))
2) Pair('a', Pair('b', Pair('c', nil)))
3) Pair('a', Pair('b', 'c'))
4) SyntaxError
? 1
-- Not quite. Try again! --
Choose the number of the correct choice:

0) Pair('a', 'b', 'c')

1) Pair('a', Pair('b', Pair('c')))

2) Pair('a', Pair('b', Pair('c', nil)))

3) Pair('a', Pair('b', 'c'))
SyntaxError
? 3
-- 0K! --
Problem 2 > Suite 1 > Case 3
(cases remaining: 6)
>>> from scheme_reader import *
>>> read_line("(a b . c d)")
Choose the number of the correct choice:
0) Pair('a', Pair('b', Pair('c', 'd')))
1) Pair('a', Pair('b', Pair('c', Pair('d', nil))))
2) Pair('a', Pair('b', 'c'))
3) SyntayFrom
 SyntaxError
? 3
-- 0K! --
Problem 2 > Suite 1 > Case 4
 (cases remaining: 5)
>>> from scheme_reader import *
>>> read_line("(a . (b . (c . ())))")
Choose the number of the correct choice:
0) Pair('a', Pair('b', Pair('c', Pair(nil, nil))))
v, rain( a', rain('b', Pair('c', Pair(n
1) SyntaxError
2) Pair('a', Pair('b', Pair('c', nil)))
3) Pair('a', 'b', 'c')
? 3
-- Not quite. Try again! --
Choose the number of the correct choice:
0) Pair('a', Pair('b', Pair('c', Pair(nil, nil))))
1) SyntaxError
2) Pair('a', Pair('b', Pair('c', nil)))
3) Pair('a', 'b', 'c')
-- 0K! --
```

```
Problem 2 > Suite 1 > Case 5
(cases remaining: 4)

>>> from scheme_reader import *
>>> read_line("(a . ((b . (c)))")
Choose the number of the correct choice:
0) Pair('a', Pair(Pair('b', Pair('c', nil)), nil), nil)
1) Pair('a', Pair(Pair('b', Pair('c', nil)), nil))
2) Pair('a', Pair('b', Pair('c', nil)), nil)
3) Pair('a', Pair('b', Pair('c', nil)), nil)
? 3
-- Not quite. Try again! --

Choose the number of the correct choice:
0) Pair('a', Pair(Pair('b', Pair('c', nil)), nil), nil)
1) Pair('a', Pair(Pair('b', Pair('c', nil)), nil))
2) Pair('a', Pair('b', Pair('c'), nil))
3) Pair('a', Pair('b', Pair('c'), nil))
3) Pair('a', Pair('b', Pair('c'), nil))
7) 1
-- OK! --

Problem 2 > Suite 1 > Case 6
(cases remaining: 3)
-- Already unlocked --

Problem 2 > Suite 1 > Case 7
(cases remaining: 1)
-- Already unlocked --

OK! All cases for Problem 2 unlocked.

Backup... 100% complete
Backup successful for user: joseph.hayes@berkeley.edu
Checking for software updates...
OK is up to date
Josephs-MacBook-Air-2:scheme JosephHayes$ python3 ok -q 02
```