

Josephs-MacBook-Air-2:scheme JosephHayes\$ python3 ok -q 03 -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 3 > Suite 1 > Case 1  
(cases remaining: 8)

```
>>> from scheme import *
>>> global_frame = create_global_frame()
>>> global_frame.define("x", 3)
>>> global_frame.parent is None
? x
-- Not quite. Try again! --
```

```
? 3
-- Not quite. Try again! --
```

```
? True
-- OK! --
```

```
>>> global_frame.lookup("x")
? 3
-- OK! --
```

```
>>> global_frame.define("x", 2)
>>> global_frame.lookup("x")
? 2
-- OK! --
```

```
>>> global_frame.lookup("foo")
Choose the number of the correct choice:
0) None
1) 3
2) SchemeError
? 2
-- OK! --
```

-----  
Problem 3 > Suite 1 > Case 2  
(cases remaining: 7)

```
>>> from scheme import *
>>> first_frame = create_global_frame()
>>> first_frame.define("x", 3)
>>> second_frame = Frame(first_frame)
>>> second_frame.parent == first_frame
? False
-- Not quite. Try again! --
```

```
? True
-- OK! --
```

```
>>> second_frame.lookup("x")
? 3
-- OK! --
```

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

```
>>> from scheme import *
>>> first_frame = create_global_frame()
>>> first_frame.define("x", 3)
>>> second_frame = Frame(first_frame)
>>> second_frame.define("y", 4)
>>> second_frame.rebind("x", 12)
>>> first_frame.lookup("x")
? 12
-- OK! --
```

```
>>> second_frame.rebind("y", 19)
>>> second_frame.lookup("y")
? 19
-- OK! --
```

```
>>> second_frame.rebind("z", 20)
?
-- Not quite. Try again! --

? Error
-- Not quite. Try again! --

? z
-- Not quite. Try again! --

? 20
-- Not quite. Try again! --

? SchemeError
-- OK! --
```

---

```
Problem 3 > Suite 1 > Case 4
(cases remaining: 5)
```

```
-- Already unlocked --
```

---

```
Problem 3 > Suite 1 > Case 5
(cases remaining: 4)
```

```
-- Already unlocked --
```

---

```
Problem 3 > Suite 1 > Case 6
(cases remaining: 3)
```

```
-- Already unlocked --
```

---

```
Problem 3 > Suite 1 > Case 7
(cases remaining: 2)
```

```
-- Already unlocked --
```

---

```
Problem 3 > Suite 2 > Case 1
(cases remaining: 1)
```

```
-- Already unlocked --
```

---

```
OK! All cases for Problem 3 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$
```