



Exercise 30.2: Restricted Shells and Accounts

1. Start a restricted shell in your current window with:

```
$ bash -r
```

Try elementary options such as resetting the path or changing directories.

2. Set up a restricted account and verify its restricted nature, then clean up.

✓ Solution 30.2

1.

```
c7:/tmp>rbash -r
c7:/tmp>cd $HOME

rbash: cd: restricted

c7:/tmp>PATH=$PATH:/tmp

rbash: PATH: readonly variable

c7:/tmp>exit

exit
```
2.

```
c7:/home/coop>sudo ln /bin/bash /bin/rbash
c7:/home/coop>sudo useradd -s /bin/rbash fool
c7:/home/coop>sudo passwd fool

Changing password for user fool.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.

c7:/home/coop>sudo su - fool

Last failed login: Tue Oct 25 14:15:54 CDT 2016 on pts/1
There was 1 failed login attempt since the last successful login.
Attempting to create directory /home/fool/perl5

[fool@c7 ~]$ cd /tmp

-rbash: cd: restricted

[fool@c7 ~]$ PATH=$PATH:/tmp

-rbash: PATH: readonly variable

[fool@c7 ~]$ exit

logout

c7:/home/coop>sudo userdel -r fool
c7:/home/coop>sudo rm /bin/rbash
```

**Please Note**

- On some distributions, notably recent **Ubuntu**-based versions, there is a bug which prevents this lab from behaving properly. On **RedHat**-based distributions, the above correct behaviour is observed.