Exercise 30.2 Restricted Shells and Accounts

1. Start a restricted still 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
   ```

- 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.