

ECS 30, Programming and Problem Solving Fall Quarter 2015

Due: October 16, 2015 (Note extension)

Points:200

Homework 1

Linux

All these questions are to be answered using the CSIF systems. If you use some other system, your answers may differ, and we will grade based on the CSIF systems.

1. (5 points) What option should you give to `rm(1)` to make it ask you verify that each file is to be deleted?

The option is "`rm -i 1`".

```
[[adamsx97@pc18 ~]$ vim 1.c
[[adamsx97@pc18 ~]$ ls -a
.          abc.c          .cshrc      HW          .mozilla    .swp
..         assignment1  Desktop    HW.c        msq1        .swp
1.c        assignment1.c Documents   HWE         msq1.c      temp2
ab         assignmnet1  Downloads  .ICEauthority Music       Templates
A+B        .cache              .esd_auth  .local      .oracle_jre_usage users
abc        .ccache            exfc.c     .login      Pictures    Videos
A+B.c      .config            .history   .logout     Public      .viminfo
[[adamsx97@pc18 ~]$ rm -i 1.c
rm: remove regular file '1.c'? y
[[adamsx97@pc18 ~]$ ls -a
.          assignment1  Desktop    HW.c        msq1        .swp
..         assignment1.c Documents   HWE         msq1.c      temp2
ab         assignmnet1  Downloads  .ICEauthority Music       Templates
A+B        .cache              .esd_auth  .local      .oracle_jre_usage users
abc        .ccache            exfc.c     .login      Pictures    Videos
A+B.c      .config            .history   .logout     Public      .viminfo
abc.c      .cshrc             HW          .mozilla    .swp
[[adamsx97@pc18 ~]$
```

2. (5 points) Is it possible to restore a file that has been removed?
No, it is not possible to restore a file removed.

3. (5 points) What command was run to produce the process with PID 1?
The command is “ps 1”. The PID 1 is on the screen.

```
Connection to pc18.cs.ucdavis.edu closed.
campus-013-209:~ chengengxiao$ gocsifpc18 ]
adamsx97@pc18.cs.ucdavis.edu's password: ]
Last login: Thu Oct 15 17:40:52 2015 from 168.150.13.209
*
* Computer Science Instructional Facility
* Fedora release 22
*

[adamsx97@pc18 ~]$ ps 1 ]
  PID TTY          STAT TIME   COMMAND
    1 ?           Ss      0:02 /usr/lib/systemd/systemd --switched-root --system --des
[adamsx97@pc18 ~]$
```

4. (5 points) What two subdirectories of /usr/local have names beginning with “Fortify”?
The Fortify files are Fortify_Doc and Fortify_license.

```
[adamsx97@pc18 ~]$ cd ..
[adamsx97@pc18 /home]$ cd ..
[adamsx97@pc18 /]$ ls -a
.          bin      etc      lib64      mnt      pkg      run      sys      var
..         boot    home    lost+found oldhome   proc     sbin     tmp
.autorelabel dev     lib     media      opt      root     srv      usr

[adamsx97@pc18 /]$ cd usr/local
[adamsx97@pc18 local]$ ls -a
.          cuda-5.5      gprolog-1.4.4  MATLAB      share
..         etc          icon-v951      matlab_license  src
android-sdk-linux  Firefox_support include      netbeans-8.0.2  xparal
argouml-0.34      Fortify_Docu  lib          ns-allinone-3.23
bin             Fortify_license lib64        papercut
cdrtools-3.00    games        libexec      processing-2.2.1
cuda            glassfish-4.1 man          sbin
[adamsx97@pc18 local]$
```