

Name \_\_\_\_\_

## Mohawk Valley Community College

### CI 132 Lab 26

1. Provide a command string which will list all files in your home directory whose name begins with the string **.bash**
  
  
  
  
  
  
  
  
  
  
2. Explain the difference between the files **.bash\_profile** and **.bashrc**
  
  
  
  
  
  
  
  
  
  
3. Modify the appropriate shell environment configuration file so that the last three times you logged in to the shell server will be displayed after each login. In the space below, indicate the file you modified and the changes you made.
  
  
  
  
  
  
  
  
  
  
4. Suppose the system administrator would like to apply a system-wide policy to display the last three times a user logged in after each login.
  - a. Which file would this configuration change be placed in?
  
  
  
  
  
  
  
  
  
  
  - b. What command string would be used to accomplish this goal?

5. Create a directory named **bin** in your home directory. What file would you modify to add this directory to your path?
6. Modify your shell startup files to append your bin directory to the system **PATH** variable. In the space below, provide the line(s) which were added or modified.
7. Why would it be wise for a user to append a directory to the **PATH** instead of redefining it?
8. What is the difference between placing your bin directory at the beginning versus the end of the list of directories in the **PATH** variable?
9. How might an attacker exploit the **PATH** variable to aid in an attack upon a system?
10. What utility will search the **PATH** and identify the location of a program specified as a command line argument?
11. What is a shell alias?

12. What command can be used to display the currently defined aliases?
  
  
  
  
  
  
  
  
  
  
13. Create an alias named **data** which, when executed, will change to the directory **/opt/ci132/data/**. Add this alias to the appropriate shell configuration file. List your alias definition below.
  
  
  
  
  
  
  
  
  
  
14. Identify two ways to activate changes made to a shell configuration file without logging out of the system.
  
  
  
  
  
  
  
  
  
  
15. A default **umask** value is set each time a user logs in to the class shell server. Which configuration file on our shell server contains this setting?
  
  
  
  
  
  
  
  
  
  
16. How can an environment variable be defined or changed directly from the command line
  
  
  
  
  
  
  
  
  
  
17. For how long will an environment variable defined directly from the command line be in effect?