UNIX Course

On-Line Command Line Mock

Trainee Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EXAM**

**20 QUESTIONS**

**Time allowed: 40 minutes**

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# Test Instructions

At the start of the test

* Login on using your username and password
* Create a directory called unixmock using the following command

**mkdir unixmock**

DO NOT move into this directory

* Copy the following files into your new directory, using the following commands

**cp /student\_files/day1/grepFile unixmock**

**cp /student\_files/day1/batchprog unixmock**

* Move into your new directory using the following command

**cd unixmock**

* Check you are in the unixmock directory by typing in

**pwd**

* Check your current directory contains grepFile and batchprog by typing in

**ls**

During the test

* Write down the command that worked on the answer sheet provided

At the end of the test

* Log out

**UNIX Command Line - Mock**

**NAME ........................................................................ Date...............................**

Please document your answers in the table below

|  |  |
| --- | --- |
|  | **Copy the /etc/hosts file into your unixmock directory**  **Cd ~**  **cp /etc/hosts unixmock** |
|  | **Remove read for group and other from the hosts file in your unixmock directory**  **chmod go-r unixmock/hosts** |
|  | **Create a variable called dir and set it to /home**  **dir=/home** |
|  | **List the contents of the directory stored in the variable dir**  **echo $dir** |
|  | **Find all files in your home directory or subdirectories which you have modified within the last day and store the results in a file called recentfiles**  **Find ~ -type f .name –mtime -1 > recentfiles** |
|  | **Display all the lines in grepFile that do not start with a letter**  **egrep ^[^[:alpha:]] unixmock/grepFile** |
|  | **Display a list of all files in your home directory including hidden files**  **cd ~**  **ls –a ~** |
|  | **Display a list of only the hidden files in your home directory. Do not list the contents of subdirectories.**  ls -a ~ | egrep "^\." |
|  | **Display the 1st 5 lines of batchprog**  **head -5 unixmock/batchprog** |
|  | **Count the lines in batchprog that contain the word date**  **grep –w date batchprog | wc -l** |
|  | **Display just the 1st 3 characters of each line in grepFile**  **Cut –c1-3 grepFIle** |
|  | **List all the people currently logged into the system and sort the output alphabetically by username.**  Echo $USERS | sort –t’ ‘ –f1 |
|  | **List all people who are currently logged into the system more than once. Sort the output alphabetically by username.** |
|  | **Identify the Process ID of your bash shell**  **ps** |
| 1. **S** | **Count the number of directories and subdirectories in your home directory**  **Find ~ –type d | wc -l** |
|  | **Identify the directory which holds the touch command. Do not search the whole filesystem.**  **Type touch** |
|  | **Find all the files in /etc (or subdirectories of /etc) that start with the letter p. Store the results in a file called etcpfiles and discard all error messages into /dev/null**  **Grep ‘^p’ /etc > etcpfiles 2>/dev/null** |
|  | **Display the contents of the /etc/hosts file but replace each : with \***  **Cat /etc/hosts | tr “:” “\*“** |
|  | **List the size, in characters, of each file in your unixmock directory and store in a file filesizelist**  **Ls grep ‘^-‘ | Wc -m > filesizelist** |
|  | **Delete the grepFile and batchprog files from your unixmock directory**  **Rm grepfile** |