UNIX Course

On-Line Command Line Mock

With Answers

**EXAM**

**20 QUESTIONS**

**Time allowed: 40 minutes**

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# Examination Answers

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|  | **Copy the /etc/hosts file into your unixmock directory**  **cp /etc/hosts .**  **cp /etc/hosts ~/unixmock**  **cp /etc/hosts hosts** |
|  | **Remove read for group and other from the hosts file in your unixmock directory**  **chmod go-r hosts**  **chmod g-r,o-r hosts**  **chmod 600 hosts** |
|  | **Create a variable called dir and set it to /home**  **dir=/home**  **dir="/home"**  **dir='/home'** |
|  | **List the contents of the directory stored in the variable dir**  **ls $dir** |
|  | **Find regular 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 –mtime -1 –print > recentfiles**  **find $HOME –type f –mtime -1 > recentfiles** |
|  | **Display all the lines in grepFile that do not start with a letter**  **grep –vi ‘^[a-z]’ grepFile**  **grep ^[^a-zA-Z] grepFile** |
|  | **Display a list of all files in your home directory including hidden files.**  **ls –a ~**  **ls –a $HOME**  **ls –a /home/first.lastname** |
|  | **Display a list of only the hidden files in your home directory. Do not include the contents of subdirectories.**  **ls –a ~ | grep ‘^\.’**  **ls –ad ~/.\*** |
|  | **Display the 1st 5 lines of batchprog**  **head -5 batchprog** |
|  | **Count the lines in batchprog that contain the word date**  **grep –cw date batchprog**  **grep –w date batchprog | wc –l** |
|  | **Display just the 1st 3 characters of each line in grepFile**  **cut –c1-3 grepFile**  **cut –c-3 grepFile** |
|  | **List all the people currently logged into the system and sort the output alphabetically by username**.  **who | sort**  **finger | grep –v Login | sort**  **users | tr ' ' '\n'**  **users** |
|  | **List all people who are currently logged into the system more than once. Sort the output alphabetically by username.**  **who | sort | cut –d" " –f1 | uniq –d**  **finger | grep –v Login | sort | cut –d" " –f1 | uniq –d**  **users | tr ' ' '\n' | uniq –d** |
|  | **Identify the Process ID of your bash shell**  **Ps** |
|  | **Count all the directories and subdirectories in your home directory.**  **find ~ -type d | wc –l**  **ls -lR | grep ^d | wc –l** |
|  | **Identify the directory which holds the touch command. Do not search the whole filesystem.**  **which touch**  **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**  **find /etc –type f –name “p\*” > etcpfiles 2>/dev/null** |
|  | **Display the contents of the /etc/hosts file but replace each : with \***  **tr ‘:’ ‘\*’ < /etc/hosts**  **cat /etc/hosts | tr ':' '\*'** |
|  | **List the size, in characters, of each file in your unixmock directory and store in a file filesizelist**  **wc -m \* > filesizelist**  **wc -m ~/unixmock/\* > filesizelist** |
|  | **Delete the grepFile and batchprog files from your unixmock directory**  **rm grepFile batchprog**  **rm grepFile**  **rm batchprog** |