Report

Task #1: (highlight indicates no values)

1. Value of my PS1:

**\[\e]0;\u@\h: \w\a\]${debian\_chroot:+($debian\_chroot)}\u@\h:w\$**

1. Values of environment variables in the list on first page:

*EDITOR*: empty

*HOME*: **/mnt/linuxlab/home/jpearl2**

*HOSTNAME*: **hslinux**

*LD\_LIBRARY\_PATH*:

**/usr/local/cuda-11.6/lib64:/usr/lib/cuda/lib64:/usr/lib/cuda/include:/lib/x86\_64-linux-gnu/slurm-wlm**

*LESS*: empty

*MAIL*: empty

*MANPATH*: **:/opt/puppetlabs/puppet/share/man**

*MORE*: empty

*PAGER*: empty

*PATH*: **/usr/local/bin:/usr/bin:/bin:/usr/local/games:/usr/games:/opt/puppetlabs/bin**

*PWD*: **/mnt/linuxlab/home/jpearl2**

*SHELL*: **/bin/bash**

*TERM*: **xterm**

*USER*: **jpearl2**

Task #2:

1. Save prompt: I did the command **PS1=”\d :”** which changes the prompt to Tue Feb 14 :
2. Change prompt to [COSC350 basecwd]: **PS1=”[COSC350 basecwd]: \w”**
3. Change prompt to its previous value:

**PS1=”\[\e]0;\u@\h:\w\a\]${debian\_chroot:+($debian\_chroot)}\u@\h:w\$**

Task #3: NOTHING TO WRITE DOWN

Task #4:

1. Redirecting error output to bar file: **ls jade 2>bar**
2. Redirecting to “gone forever” file: **ls jade 2>/dev/null**
3. Creating file named foo by echoing into it:

**echo 3 > foo**

**echo 5 >> foo**

**echo 2 >> foo**

**echo 1 >> foo**

1. Creating file named bar by cat-ing the contents of foo into it: **cat foo>bar**
2. Redirect input from foo to sort function: **sort < foo. The sort was done numerically:**

**1,2,3,5**

1. Same as above step but redirecting output to file bar: **sort < foo > bar**

Task #5:

1. Create numbs: **I created a file called for.sh using vim which contains a for loop that prints from 1-100.**

**Then made the command: touch numbs | bash for.sh > numbs**

1. **wc** command on numbs file: **output: 100 100 292 numbs. The first 100 is the number of newlines, the second 100 is number of words, and the 292 is the number of bytes of the file.**
2. Making somenumbs using pipes and redirection, filled with the content of lines 25-38 of numbs file: used the command **head -n 38 numbs | tail -n 14 > somenumbs**. *This extracts the first 38 lines of numbs and the tail command takes the last 14 lines of the first 38 lines of numbs, making the new file, somenumbs, have the contents of lines 25-38 of numbs*
3. Output and meaning of **wc** on somenumbs: **14 14 42 somenumbs**. This means that the file somenumbs has 14 newlines, 14 words, and is 42 bytes in size.

Task #6:

1. task6a.sh:

Text

Description automatically generated

Text

Description automatically generated

1. task6b.sh:

Text

Description automatically generatedA screenshot of a computer

Description automatically generated with medium confidence

1. task6c.sh

Text

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Description automatically generated

Task #7:

1. task7.sh:

Text

Description automatically generated

Task #8:

1. task8.sh:

Text

Description automatically generated

Task #9:

1. task9.sh:

Text

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence