COSC 1436 – Intro to Problem Solving II

Lab 6 UNIX Exercise Answer Sheet

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2A. Type the command cat and press Enter. ***Describe what you see***.

I did not see anything. The cursor has gone to the next line and looks waiting something.

2B. Now type your name and press Enter. ***Describe what you see***.

It retyped my name one more time.

3B. ***Where was the output sent?***

The output is sent into play.txt file.

3C. ***What do you think would happen if you typed*** cat > play.txt ***again and typed in more text?***

It will delete all I wrote before and put what I will write next time.

3F. Type more play.txt and ***describe what you see.***

It appends these words into play.txt file. It did not delete old text characters.

4B. Type more play2.txt and press Enter.  ***Describe what you see.***

I saw same sentences what play.txt contains.

4C. ***Can you think of a situation where this might come in handy?  Give an example of such a situation.***

It is kind a copy operation of file. Maybe, while you are writing a program, you may want to do some changes on it and you do not want to lose your current file so it is good way to keep file.

5A. Type sort lab6Data.txt and press the Enter key.  ***Describe what you see.***

It is sorted line by line containing of lab6Data.txt. First lines contain numbers then alphabetical characters come. 11, 12 come earlier than 1, 2,I think it looks all character of lines than decide the location for it because 11 contains more priority number than 1 so it puts 11 first.

5B. Now check the contents of the lab6Data.txt file.  ***Were the contents of the file changed?***

No. It is not changed.

5C. ***What command would you need to type to redirect the sorted output from lab6Data.txt to a file named lab6Sorted.txt?***

sort < lab6Dta.txt > lab6Sorted.txt

5F. Check the contents of the newFile.txt and ***describe what you see.***

This commands merges two files of content and sorts them in the one file therefore content of newFile.txt contains all lines from both files but lines order are different because we sorted them one more time in the newFile.txt file.

5G. ***What do you think would happen if you executed the* sort play.txt > play.txt *command?***

Actually I thought first we could lose unsorted content and play.txt would contain sorted content. However I was wrong, we lose all content of file.

6A. Type rev lab6Data.txt and press Enter.  ***Describe what you see.***

All lines are reverse written. The orders of lines same but the letters are reverse order in each line.

6B. ***What command would you need to type to redirect the modified output of the rev command from lab6Data.txt to a file named lab6Rev.txt?***

rev lab6Data.txt > lab6Rev.txt