**NSA Lab - Linux Commands Exercise**

**Question 1**

**Enter the Linux command to create both a parent directory called ' NSA\_lab' and its child directory called 'work' at the same time. Assume that the directory ' NSA\_lab' will branch-off your home directory and that you are in your home directory to start.**

**Ans:**

developer@ccfl6-pc24:~$ mkdir -p NSA\_lab/work

**Question 2**

**Enter a Linux command to create the empty file called 'labtest1' in the directory 'NSA\_lab' (you are still in your home directory).**

**Ans:**

developer@ccfl6-pc24:~$ touch NSA\_lab/labtest1

**Question 3**

**Assume that your current directory contains the files 'labtest', 'labtest1', 'labtest2', 'labtest2a', 'labtest3', and 'labtest4'.**

**Issue a command to delete only the files 'labtest1' and 'labtest2' .**

**Ans:**

developer@ccfl6-pc24:~$ cd NSA\_lab

developer@ccfl6-pc24:~/NSA\_lab$ rm labtest1 labtest2

**Question 4**

**Assume that you are NOT currently in your home directory. Enter a command to copy all files in your home directory beginning with the letter 'a' to the current directory.**

**Ans:**

developer@ccfl6-pc24:~/NSA\_lab$ cp ~/a\*

**Question 5**

**Enter a command to delete all files that have filenames starting with 'labtest', except 'labtest' itself (Delete all files starting with 'labtest' followed by one or more characters).**

**Ans:**

developer@ccfl6-pc24:~/NSA\_lab$ rm labtest?\*

**Question 6**

**Enter a Linux command to remove a directory called 'assignments' and all of it's contents, and allow the system to prompt the user to remove each file or directory.**

**Assume you are in the home directory, which happens to be the parent directory of 'assignments' directory.**

**Ans:**

developer@ccfl6-pc24:~$ rm -ri assignments

rm: descend into directory 'assignments'? yes

rm: remove regular empty file 'assignments/a1'? yes

rm: remove regular empty file 'assignments/a2'? yes

rm: remove regular empty file 'assignments/a3'? yes

rm: remove directory 'assignments'? yes

**Question 7**

**Here are two inverted-tree diagrams. Issue a command to change the left diagram to the right**

**diagram. Assume that you are in your home directory and use relative pathnames. [home] is**

**your home directory:**

**Ans:**

developer@ccfl6-pc24:~$ mv NSA\_lab courses

developer@ccfl6-pc24:~/courses$ ls courses

NSA\_lab

**Question 8**

**Issue a command to delete all files in your current directory with 2-character names.**

**Ans:**

developer@ccfl6-pc24:~/ideas$ rm ??