**MCS-284 (Fall, 2018) Project 1a: Basic Unix Commands**

**Start: Friday 9/7; Due: Thursday 10/1, by the beginning of class**

Read the two tutorials for Command Line Interface (CLI). For the following below, list the Unix commands to accomplish each task. If there is any ambiguity, please write down any assumptions.

1. List all the files and sub directories of the directory /bin.

cd /bin

1. List all the files including hidden files in your current directory.

ls -a

1. List all the files starting with letter ‘r’ in your current directory.

ls r\*

1. List all the files having three characters in their names, from your current directory.

ls ??? (?) is a wild card

1. List all the files with extension .doc in your current directory.

ls –l \*.doc

1. Using one single command, display the output of “who” and “pwd” commands.

who ; pwd

1. List all the files having the first letter of their name within the range of ‘l’ to ‘s’, from your current directory.

ls [lmnopqrs]\*

1. Create a file called text1 in your current directory and read its input from keyboard.

pico text.txt

1. Copy the contents of file text1 to another file text2.

cp text1 text2

1. Append the contents of file text2 to file text1.

cat text2 text1

1. Count the number of files in the current directory.

ls | wc -l

1. Display the output of command ls-l to a file and on the output screen.

ls –a | tee output.file

1. From the file text1 print all lines starting from the 10th line.

tail –n +10 text1