#ssh into the pamd server

ssh [np..@pamd.sc.fsu.edu](mailto:np..@pamd.sc.fsu.edu)

#start a log of your session

script session.log

#check the amount of diskspace you have available

df -h

#create a directory(folder) named testterminal

mkdir testterminal

#navigate into the testterminal directory

cd testterminal

#verify that you are in the correct directory

pwd

#create a file called testfile.txt

touch testfile.txt

#check to verify that the file is there

ls

#determine the size of the file

ls –al or ls -al testfile.txt

#delete the file

rm testfile.txt

#confirm that it is deleted

ls

#create a variable named x and assign it a value of 10

x = 10

#check the value of the variable

echo $x

#store the value of the variable in a file named x.txt

echo $x > x.txt

#create a file named dna.txt to store the following DNA sequence: ATCTAGGTATC

echo ATCTAGGTATC > dna.txt

#verify that both files exist

ls –al or ls –l –all or ls –ltrh -all

#concatenate the contents of the two files and save the result in catfile.txt

cat x.txt dna.txt > catfile.txt

#view the contents of the file

cat catfile.txt

#view the first line of the file

head –n 1 catfile.txt

#view the last line of the file

tail –n 1 catfile.txt

#count the number of lines in the file

wc –l catfile.txt

#store the number of lines in the file into the file called nlines.txt

wc –l catfile.txt > nlines.txt

#login to the classroom computers

classroom

#move into the testterminal directory

pwd

cd testterminal

#open R

R

#create a variable x and assign it a value 10

x =10

#check the value of x

x

#generate 100 normally distributed random numbers and store them in y

y = rnorm (100)

#check the value of y

y

#create a pdf file named y.pdf to store the plot you will make

pdf(“y.pdf”)

#make a plot of y

plot(y)

#close the pdf file

dev.off() or dev.set(dev.next())

#exit out of r

q()

#log off of the classroom computer

exit

#move out of the testterminal directory

pwd

cd ..

#check the contents of the testterminal directory without moving inside

ls –l testterminal/\*

#move your pdf file out of the testterminal directory

mv testterminal/.\*pdf . # . means move the file into the directory where I am right now

#remove the test terminal directory

rm test terminal or rm –r testterminal

#end your session log

exit (twice)

Output: Script done, file is session.log (our file name)

#exit out of pamd connection

exit #logout, Connection to pamd.sc.fsu.edu closed

#try to obtain your pdf file using rsync

rsync [np17d@pamd.sc.fsu.edu:/home/np17d/session.log /home/newking9088/session.log](mailto:np17d@pamd.sc.fsu.edu:/home/np17d/session.log%20%20/home/newking9088/session.log)

The rync command is always like rsync remote server:/file/path/in/remore/server (white space) /path/to/local/PC where you want to store your files.

#(find the pdf on your computer and try to open it)

Go to your newking9088 folder in your PC and find session.log…