#ssh into the pamd server

ssh

#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 -l

#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

$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 -l

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

cat \*.txt > catfile.txt

#view the contents of the file

head 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

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()

#exit out of r

q()

#log off of the classroom computer

exit

#move out of the testterminal directory

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 .

#remove the test terminal directory

rm -r testterminal

#end your session log

exit

#exit out of pamd connection

exit

#try to obtain your pdf file using rsync

rsync alemmon@pamd.sc.fsu.edu:/home/alemmon/y.pdf .

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