For each pair have created a folder on linux except for Pair1-a2b

To go to each folder

cd pair1-b2a

cd pair3-a2b

cd pair3-b2a

cd pair4-a2b

cd pair4-b2a

cd pair5-a2b

cd pair5-b2a

cd pair6-a2b

cd pair6-b2a

and return back use

cd ..

Question 1

1a2b

cat nisargtrace.txt | gawk '(/133.9.81.164) /){print $1}'

1b2a

cat nisargtrace.txt | gawk '(/128.208.4.197) /){print $1}'

3a2b

cat newnisargtrace.txt | gawk '(/156.62.231.244) /){print $1}'

3b2a

cat nisargtrace.txt | gawk '(/128.10.18.53) /){print $1}'

4a2b

cat nisargtrace.txt | gawk '(/130.206.158.140) /){print $1}'

4b2a

cat nisargtrace.txt | gawk '(/131.179.150.72) /){print $1}'

5a2b

cat nisargtrace.txt | gawk '(/129.97.74.12) /){print $1}'

5b2a

cat nisargtrace.txt | gawk '(/128.223.8.111) /){print $1}'

6a2b

cat nisargtrace.txt | gawk '(/190.227.163.142) /){print $1}'

6b2a

cat nisargtrace.txt | gawk '(/129.63.159.101) /){print $1}'

Question 2

1a2b

cat nisargtrace.txt | gawk '(/133.9.81.164) /){print $0}'

cat out1a2b.txt | gawk '(/\*/){print $0}'

cat nisargtrace.txt | gawk '(/\*/){print $0}'

1b2a

cat nisargtrace.txt | gawk '(/128.208.4.197) /){print $0}'>out1b2a.txt

cat out1b2a.txt | gawk '(/\*/){print $0}'

cat nisargtrace.txt | gawk '(/\*/){print $0}'>temp1b2a.txt

3a2b

cat newnisargtrace.txt | gawk '(/156.62.231.244) /){print $0}'>out3a2b.txt

cat out3a2b.txt | gawk '(/\*/){print $0}'

cat newnisargtrace.txt | gawk '(/\*/){print $0}'>temp3a2b.txt

3b2a

cat nisargtrace.txt | gawk '(/128.10.18.53) /){print $0}'>out3b2a.txt

cat out3b2a.txt | gawk '(/\*/){print $0}'

cat nisargtrace.txt | gawk '(/\*/){print $0}'>temp3b2a.txt

4a2b

cat nisargtrace.txt | gawk '(/130.206.158.140) /){print $0}'>out4a2b.txt

cat out4a2b.txt | gawk '(/\*/){print $0}'>perm4a2b.txt

cat nisargtrace.txt | gawk '(/\*/){print $0}'>temp4a2b.txt

4b2a

cat nisargtrace.txt | gawk '(/131.179.150.72) /){print $0}'>out4b2a.txt

cat out4b2a.txt | gawk '(/\*/){print $0}'>perm4b2a.txt

cat nisargtrace.txt | gawk '(/\*/){print $0}'>temp4b2a.txt

5a2b

cat nisargtrace.txt | gawk '(/129.97.74.12) /){print $0}'>out5a2b.txt

cat out5a2b.txt | gawk '(/\*/){print $0}'

cat nisargtrace.txt | gawk '(/\*/){print $0}'>temp5a2b.txt

5b2a

cat nisargtrace.txt | gawk '(/128.223.8.111) /){print $0}'>out5b2a.txt

cat out5b2a.txt | gawk '(/\*/){print $0}'

cat nisargtrace.txt | gawk '(/\*/){print $0}'>temp5b2a.txt

6a2b

cat nisargtrace.txt | gawk '(/190.227.163.142) /){print $0}'>out6a2b.txt

cat out6a2b.txt | gawk '(/\*/){print $0}'>perm6a2b.txt

cat nisargtrace.txt | gawk '(/\*/){print $0}'>temp6a2b.txt

6b2a

cat nisargtrace.txt | gawk '(/129.63.159.101) /){print $0}'>out6b2a.txt

cat out6b2a.txt | gawk '(/\*/){print $0}'>perm6b2a.txt

cat nisargtrace.txt | gawk '(/\*/){print $0}'>temp6b2a.txt

Question 4

cat nisargping.txt | gawk '(/packets/){print $6}'

Question 6

1a2b

cat nisargtrace.txt | gawk '(/133.9.81.164) /){print $1}'

1b2a

cat nisargtrace.txt | gawk '(/128.208.4.197) /){print $1}'

3a2b

cat newnisargtrace.txt | gawk '(/156.62.231.244) /){print $1}'

3b2a

cat nisargtrace.txt | gawk '(/128.10.18.53) /){print $1}'

4a2b

cat nisargtrace.txt | gawk '(/130.206.158.140) /){print $1}'

4b2a

cat nisargtrace.txt | gawk '(/131.179.150.72) /){print $1}'

5a2b

cat nisargtrace.txt | gawk '(/129.97.74.12) /){print $1}'

5b2a

cat nisargtrace.txt | gawk '(/128.223.8.111) /){print $1}'

6a2b

cat nisargtrace.txt | gawk '(/190.227.163.142) /){print $1}'

6b2a

cat nisargtrace.txt | gawk '(/129.63.159.101) /){print $1}'

Question 8

1a2b

awk '

/^PING / {h=$2}

/packet loss/ {pl=$6}

/min\/avg\/max/ {

split($4,a,"/")

printf("%s \n", a[2])

}

' nisargping.txt

1b2a

awk '

/^PING / {h=$2}

/packet loss/ {pl=$6}

/min\/avg\/max/ {

split($4,a,"/")

printf("%s \n", a[2])

}

' nisargping.txt

3a2b

awk '

/^PING / {h=$2}

/packet loss/ {pl=$6}

/min\/avg\/max/ {

split($4,a,"/")

printf("%s \n", a[2])

}

' newnisargping.txt

3b2a

awk '

/^PING / {h=$2}

/packet loss/ {pl=$6}

/min\/avg\/max/ {

split($4,a,"/")

printf("%s \n", a[2])

}

' nisargping.txt

4a2b

awk '

/^PING / {h=$2}

/packet loss/ {pl=$6}

/min\/avg\/max/ {

split($4,a,"/")

printf("%s \n", a[2])

}

' nisargping.txt

4b2a

awk '

/^PING / {h=$2}

/packet loss/ {pl=$6}

/min\/avg\/max/ {

split($4,a,"/")

printf("%s \n", a[2])

}

' nisargping.txt

5a2b

awk '

/^PING / {h=$2}

/packet loss/ {pl=$6}

/min\/avg\/max/ {

split($4,a,"/")

printf("%s \n", a[2])

}

' nisargping.txt

5b2a

awk '

/^PING / {h=$2}

/packet loss/ {pl=$6}

/min\/avg\/max/ {

split($4,a,"/")

printf("%s \n", a[2])

}

' nisargping.txt

6a2b

awk '

/^PING / {h=$2}

/packet loss/ {pl=$6}

/min\/avg\/max/ {

split($4,a,"/")

printf("%s \n", a[2])

}

' nisargping.txt

6b2a

awk '

/^PING / {h=$2}

/packet loss/ {pl=$6}

/min\/avg\/max/ {

split($4,a,"/")

printf("%s \n", a[2])

}

' nisargping.txt