Q1)

[zsims2@gsuad.gsu.edu@snowball ~]$ grep -vn -e "ATOM" -e "CONECT" -e "HETATM" -e "TER" -e "END" 4HKD.pdb > question1.txt

Q2)

[zsims2@gsuad.gsu.edu@snowball ~]$ sed 's/MSE/MET/g' 4HKD.pdb > question2.txt

[zsims2@gsuad.gsu.edu@snowball ~]$ sed 's/HETATM/ATOM/g' 4HKD.pdb > question2.txt

Q3) [zsims2@gsuad.gsu.edu@snowball ~]$ ls

4HKD.pdb message.a0 perverse.py question2.txt question3Y question4 vi\_commands

ZeakTheFreak pdir question1.txt question3X question3Z question5.txt

[zsims2@gsuad.gsu.edu@snowball ~]$ ./question3X

max = 11.011

min = -10.909

[zsims2@gsuad.gsu.edu@snowball ~]$ ./question3y

-bash: ./question3y: No such file or directory

[zsims2@gsuad.gsu.edu@snowball ~]$ ./question3Y

max = 52.712

min = 9.343

[zsims2@gsuad.gsu.edu@snowball ~]$ ./question3Z

max = 132.824

min = 75.346

Q5)

[zsims2@gsuad.gsu.edu@snowball ~]$ sed 's/HOH/WAT/g' 4HKD.pdb>question5.txt

