**[Mid term Part II](https://blackboard.iit.edu/webapps/assignment/uploadAssignment?content_id=_283151_1&course_id=_36448_1&assign_group_id=&mode=view)**

Shell script portion of midterm is worth 25 points.   12 points per question (4 points per bullet point) - 1 free point.

The hosts.deny file will be used for the first exercise and can be found on blackboard under CONTENT > MIDTERM folder.

submit your documents in this fashion:  lastname-firstname-midterm.zip  (must be a zip file no rars!)

You will be submitting 2 distinct shell scripts in the zip file (NOTE - only one attempt)

Setup:  Download the file hosts.deny and place it in the same directory where you will make your shell scripts.  Use the vi command to create a shell script named s1. Inside the shell script you will type the commmands that answer the points below.  Once finished, save and exit you shell script.  Excute a chmod 755 command and make it executable (script should turn green) Make sure to test it and run it - you wouldn't believe how many people turn in non-working code. (Hint - each line below corresponds to a line in the shell script.)

SCRIPT 1

Write a shell script that prompts a user for a log file to parse (enter the name hosts.deny).

•Display the content of the file and pipe that output to the cut command.

•Use the cut command to cut out the second field (IP addresses only).

•Pipe that output to the sort command and sort numerically and print to Std Out (use man to find the flag)

cat hosts.deny | cut –d: -f2 | sort -n

SCRIPT 2

Similar to script 1 - but this time after sorting...

•pipe the output to the grep command

•grep every line that contains 99

•then redirect that output to a file called results.txt (no output to the screen)

cut –d: -f2 hosts.deny | sort –n | grep “99” > results.txt