Question 1

Commands	What It Does	Syntax	Example
cat	display contents of a file	cat + option + file	`cat todo.lst` and `cat -n ~/Documents/todo.lst`
tac	display the content of a file in reverse order	tac + option + file	`tac todo.md` and `tac ~/Downloads/todo.md`
head	displays the top N number of lines of a file	head + option + file	`head ~/Documents/Book/dracula.txt` and `head -5 ~/Documents/Book/dracula.txt`
tail	displays the last N number of lines of a file	tail + option + file	`tail ~/Documents/Book/dracula.txt` and `tail 5 ~/Documents/Book/dracula.txt`
cut	extracts section of each line of file and displays	cut + option + file	`cut -d ':' -f1 /etc/passwd` and `cut -d ':' -f1,7 /etc/passwd`
paste	joins files horizontally in columns	paste + option + file	`paste users.lst ip_address.lst` and `paste -d ':' users1.lst ip_addresses.lst`
sort	sorts file	sort + option + file	`sort users.lst` and `sort -r users.txt`
wc	prints the number of lines, characters, and bytes in a file	wc + option + file	`wc -m users.txt` and `wc -l users.txt`
tr	translates or deletes characters from standard output	Standard output l tr + option + set + set	`cat file.txt l tr '.' ','` and `cat file.py l tr -s "[:space:]" ' '`
diff	compares files and displays the differences between them	diff + option + file1 + file2	`diff cars.csv cars-backup.csv` and `diff -y cars.csv cars-backup.csv`
grep	search text in given file	grep + option + file + file(s)	`grep 'dracula' ~/Documents/dracula.txt` and `grep -i 'dracula' ~/Documents/dracula.txt`

Question 2

what is awk?

- awk is a scripting language used for processing and displaying text.

usage: `awk + options + {awk command} + file + file to save`

examples:

- `awk -F '{print $1}' /etc/passwd`

- `awk -F '{print $NF}' /etc/passwd /`

- `awk -F '{print $1, " = ", $NF}' /etc/passwd`

- `awk -F '{print NR,$1,$3}' /etc/passwd`

- `awk -F '{OFS="="}{print $1,$4}' /etc/passwd`