## Fill in with a sentence or two or fill in the command from UNIX (grep/sed):

1. Write a command in sed that would replace "REd" with "red" in this file?

Kite rats kite cash REd kite kite rats kite REd caSh rats kite rats kite caSh red green

- 2. Count the numbers of 'A', 'T', 'G', 'C' using multiple or single grep commands in example.fasta?
- 3. Write a sed command to delete lines containing the word 'kite' at the beginning of the string only?

Kite rats kite cash REd kite kite rats kite REd caSh rats Kite rats kite caSh red green

kite rats kite caSh red green

4. Write a grep command that counts all AT's in these sequences? (give number of output)

>seq1

ATCCGCGCATGCGCGCC

>seq2

ATATCCGCGCGCGCGAT

5. Write a grep command that counts all GC's in these sequences? (give number of output)

>seq1

ATCCGCGCATGCGCGCC

>seq2

ATATCCGCGCGCGCGAT

6. Write a grep command that counts all AT and GC from these sequences (give number of output)

>seq1

ATCCGCGCATGCGCGCC

>seq2

ATATCCGCGCGCGCGAT

- 7. Write a grep command that prints the line numbers of AT and GC from example.fasta file.
- 8. Write a sed command that deletes lines with last word being rat?

Rat Cat Mat Stat rat rat cat maT stat cat cat rat mat STat bat

9. Write a sed command that replaces 'Rat' with 'rat' in all cases?

Rat Cat Mat Stat rat rat cat maT stat cat cat cat rat mat STat bat

10. Write a sed command the makes all characters lower case in this data?

Rat Cat Mat Stat rat rat cat maT stat cat cat rat mat STat bat