2019 Homework Homework 1

- 1. Write a script called download_count.sh which does the following.
 - Download the data file ftp://ftp.ncbi.nih.gov//blast/db/FASTA/vector.gz from NCBI
 - Print out the count of the number of FASTA format sequences in this file see Wikipedia FASTA format each record starts with a ">"
- 2. Write a script called summary_exons.sh which summarizes the total length of exons in the file data/rice_random_exons.bed
 - read in the file
 - use a loop structure to read each line
 - add up the values into a variable
- 3. Write a script called 'strand_gene_count.sh' to calculate the number of genes that are on the + and strand in the file.
- https://fungidb.org/common/downloads/Current_Release/ScerevisiaeS288c/gff/data/FungiDB-45_ScerevisiaeS288c.gff