Homework 1

- 1. Write a script called download_count.sh which does the following.
 - Download the data file https://ftp.ncbi.nlm.nih.gov/pub/UniVec/UniVec Core 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/release-48/ScerevisiaeS288c/ gff/data/FungiDB-48_ScerevisiaeS288c.gff