1. Print names of all files in a directory that contain a particular string.

2. Create a multiple directories (in a provided path) using a single command.
   For example your command should create A, B and C for an argument /home/user/A/B/C
   where directories home and user are already present.

3. Count the number of lines and words in a given file.

4. Given a space separated data sheet, extract and print the Nth column.

5. Find all files under a directory tree with <your name> as part of the
   filename.

6. Create an archive (tarball) of a given directory. Find out the size of
   the archive. Compare the size of the archive to size of the directory.
   (use ls and du commands to find the size). Compress the tarball using
   gzip and bzip2. Compare the size of compressed archives.

7. Use VIM or Emacs editor to
                           – Create a C program that reverses a string with input string defined as
                             a Macro i.e., #define INSTR "hello world".
                           – Change the Macro name to INPUTSTR by find and replace from your C
                             source file
                           – Execute ls command from within the editor environment
                           – Use split functionality to open multiple files

8. Given a large file print the first N lines.

9. Given a large file print the last N lines.

10. Open firefox/chrome browser. Find the process id (pids) for the processes
    corresponding to browser application. Capture 10 samples for CPU utilization by
    the processes using the top command. Extract the CPU utilization for each process and
    calculate the average CPU utilization for each process.