add a new directory into our powercoders directory called "Day 02"  
  
asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir "Day 02"  
  
- make 20 more directories and remove them all  
  
asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir Day02

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ pwd  
/c/Users/asmar/Desktop/powercoders

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir friends

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir love

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir animal

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir flowers

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir foods

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir books

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ rmdir friends

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ rmdir love

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ rmdir animal

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ rmdir flowers

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ rmdir foods

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ rmdir books

- make a single path of directories that is 10 deep and remove them one at a time:

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ pwd  
/c/Users/asmar/Desktop/powercoders

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir friends

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir love

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir animal

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir flowers

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir foods

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir books

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ rm -R -- \*/

- what’s the command to list all the non-hidden files and directories that start with the letter “s”?

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir system

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ mkdir sosan

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ ls s\*

sosan:  
system:

What is the command to list all files (including hidden ones) by reverse modification time, in long form.

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ ls -artl  
total 18

-rw-r--r-- 1 asmar 197609 12 Mar 25 21:58 index.html  
-rw-r--r-- 1 asmar 197609 258 Mar 25 22:29 indexcopy.html  
drwxr-xr-x 1 asmar 197609 0 Mar 25 23:17 ..  
drwxr-xr-x 1 asmar 197609 0 Mar 25 23:32 system  
drwxr-xr-x 1 asmar 197609 0 Mar 25 23:33 sosan  
drwxr-xr-x 1 asmar 197609 0 Mar 25 23:33 .

- what is the command to list all the non-hidden files that contain the string “onnet”, long-form by reverse modification time? Hint: Use the wildcard operator at both the beginning and the end.

asmar@DESKTOP-U3OUIBA MINGW64 ~/Desktop/powercoders  
$ ls -rtl \*onnet\*

ls: cannot access '\*onnet\*': No such file or directory

Look up following commands and find out what these do:  
- find out what "pushd" and "popd" do, play around with them

Use "pushd" and "popd" to temporarily changes directors (i.e., folders) and then return.

- mac : xargs, sudo, chmod, chown  
- win: forfiles, runas, attrib, icacls

attrib changes file attributes like 'hidden', 'system', if used without parameters, it will display the attributes of a file, otherwise is used to set, or remove attributes from a file.

icacls changes file permissions (Access Control Lists - ACLs) like 'users can read, administrators can read+write', the same thing as right clicking on a file in Explorer and using the 'security' tab.

runas Command line tool to run an application as a different user.

allows you to launch one process using another account's username and password, without having to logoff and logon.

forfiles  for loop over files, select files by wildcard, e.g. \*.txt, and loop over them running a command on each one. Used to select and execute a command on a file or set of files.