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.