Storing and Compressing

1. It is suggested that you create a new folder HOLD/ and copy the directories and files of interest there. This will avoid your combining unwanted material in the compressed file that you will create. Use the `ls` command to list the contents of HOLD/.

Listing the folders and files in HOLD/

2. Use the shell/terminal command TAR as in the image:

The TAR command

3. Use the `ls` command again to make sure that the tar file has been created:

Checking for the `.tar` **file**

4. Use the shell/terminal command GZIP to compress the `.tar` file and obtain a `.tar.gz` file; check that it has been created:

The GZIP command

Reversing the Proceedure

5. First use GUNZIP to extract the `.tar` file from the `.tar.gz` file:

uncompress: gunzip DO_IT_YOURSELF.tar.gz
[liliane@localhost HOlD]$ gunzip DO_IT_YOURSELF.tar.gz
[liliane@localhost HOlD]$ ls
DO_IT_YOURSELF.tar ————————check that unzipped
[liliane@localhost HOlD]$

The GUNZIP **command**

6. Use TAR to extract the original files and directories from the `.tar` file; check that you have all the original material:

extract the tar file: tar -xvf DO_IT_YOURSELF.tar
[liliane@localhost HOlD]$ tar -xvf DO_IT_YOURSELF.tar

Extraction via the TAR **command**