Testing with testdir and ss.png final.c is the one with the main program

## 1) State of the folder before archiving

## 2) Going into the test dir

```
[at4535@DCLAP-V1156-CSD:~/os_project4$ cd testdir
[at4535@DCLAP-V1156-CSD:~/os_project4/testdir$ 1s -1
total 8
drwxrwxr-x 2 at4535 at4535 4096 May 12 16:58 subdir
-rw-rw-r-- 1 at4535 at4535 2701 May 12 16:54 test.c
[at4535@DCLAP-V1156-CSD:~/os_project4/testdir$ cd subdir
[at4535@DCLAP-V1156-CSD:~/os_project4/testdir/subdir$ 1s -1
total 8
-rw-rw-r-- 1 at4535 at4535 42 May 12 16:54 hello.txt
-rw-rw-r-- 1 at4535 at4535 2799 May 12 16:54 tatat.c
```

## 3) Incorrect command line parameters

4) Creating the new archive.ad file from test dir using -c and using -p and -m and a to append ss.png to the archive and then using -x to extract

```
[at4535@DCLAP-V1156-CSD:~/os_project4$ ./final -c archive.ad testdir
 Created archive.ad
                  @DCLAP-V1156-CSD:~/os_project4$ ls -1
 Total 120

-rw-rw-r-- 1 at4535 at4535 4688 May 12 16:54 README.md

-rw-rw-r-- 1 at4535 at4535 11970 May 12 17:00 archive.ad

-rwx-rw-r-- 1 at4535 at4535 7962 May 12 16:57 final

-rw-rw-r-- 1 at4535 at4535 7962 May 12 16:57 final

-rw-rw-r-- 1 at4535 at4535 7680 May 12 16:57 final.o

-rw-rw-r-- 1 at4535 at4535 7680 May 12 16:57 final.o
  -rw-rw-r-- 1 at4535 at4535 2821 May 12 16:54 functions.h
 -rw-rw-r-- 1 at4535 at4535 13744 May 12 16:57 functions.o

-rw-rw-r-- 1 at4535 at4535 189 May 12 16:54 makefile

-rw-rw-r-- 1 at4535 at4535 18673 May 12 16:54 ss.png
 drwxrwxr-x 3 at4535 at4535 4096 May 11 23:01 testdir
at4535@DCLAP-V1156-CSD:~/os_project4$ ./final -p archive.ad
  testdir
  testdir/subdir
 testdir/subdir/tatat.c
testdir/subdir/hello.txt
  testdir/test.c
testdir/.DS_Store
[at4535@DCLAP-V1156-CSD:~/os_project4$ ./final -m archive.ad
[at4535@DCLAP-V1156-CSD:-/os_project4$ ./final -m archive.ad archive.ad archive.ad archive.ad at Metadata Information
File Name: testdir, File Size:4096, File GID:1029, File UID:1029, File Mime: 2023-05-11 23:01:09 File Mode: drwxrwxr-x
File Name: testdir/subdir, File Size:4096, File GID:1029, File UID:1029, File Mime: 2023-05-12 16:58:41 File Mode: drwxrwxr-x
File Name: testdir/subdir/rtata.c, File Size:2799, File GID:1029, File UID:1029, File Mime: 2023-05-12 16:58:45 File Mode: -rw-rw-r-
File Name: testdir/subdir/hello.txt, File Size:422, File GID:1029, File UID:1029, File Mime: 2023-05-12 16:54:54 File Mode: -rw-rw-r-
File Name: testdir/test.c, File Size:2701, File GID:1029, File UID:1029, File Mime: 2023-05-12 16:54:53 File Mode: -rw-rw-r-
File Name: testdir/.DS_Store, File Size:6148, File GID:1029, File UID:1029, File Mime: 2023-05-12 16:54:53 File Mode: -rw-rw-r-
[at4535@DCLAP-V1156-CSD:-/os_project4$ ./final -a archive.ad ss.png
  Appended to archive.ad
 [at4535@DCLAP-V1156-CSD:~/os project4$ ./final -p archive.ac
  testdir
  testdir/subdir
  testdir/subdir/tatat.c
  testdir/subdir/hello.txt
testdir/test.c
  testdir/.DS Store
 ss.png
|at46356@CLAP-V1156-CSD:~/os_project4$ ./final -x archive .ad
|Usage: ./final {-c|-a|-x|-m|-p} <archive-file>
|at4535@CLAP-V1156-CSD:~/os_project4$ ./final -x archive.ad
 Extracted archive.ad to folder named extracted
```

5) Looking at the folders after extracting - extract is created then we go in the extract folder

4.2) going in the extract folder

```
[at4535@DCLAP-V1156-CSD:~/os_project4$ cd extract
[at4535@DCLAP-V1156-CSD:~/os_project4/extract$ ls -l
total 24
-rw-rw-r-- 1 at4535 at4535 18673 May 12 17:01 ss.png
drwxrwxr-x 4 at4535 at4535 4096 May 12 17:01 testdir

[at4535@DCLAP-V1156-CSD:~/os_project4/extract/testdir$ ls -l
total 8
drwxrwxr-x 2 at4535 at4535 4096 May 12 17:01 subdir
-rw-rw-r-- 1 at4535 at4535 2701 May 12 17:01 test.c
```

```
at4535@DCLAP-V1156-CSD:~/os_project4/extract$ cd testdir
at4535@DCLAP-V1156-CSD:~/os_project4/extract/testdir$ ls -l
total 8
drwxrwxr-x 2 at4535 at4535 4096 May 12 17:01 subdir
-rw-rw-r-- 1 at4535 at4535 2701 May 12 17:01 test.c
at4535@DCLAP-V1156-CSD:~/os_project4/extract/testdir$ cd subdir
at4535@DCLAP-V1156-CSD:~/os_project4/extract/testdir/subdir$ ls -l
total 8
-rw-rw-r-- 1 at4535 at4535 42 May 12 17:01 hello.txt
-rw-rw-r-- 1 at4535 at4535 2799 May 12 17:01 tatat.c
```