

CSC320 — Assignment Link

Abdullah Alnumay — 436102030

Source Code:

Attached

Print the fstat of the file showing that there are three links:

In the code

Check that when you write in a file, the content appears in the other files:

```
Abdullahs-MacBook-Pro:assignment-link abdullah$ echo Hello, there > file1
Abdullahs-MacBook-Pro:assignment-link abdullah$ cat file2
Hello, there
Abdullahs-MacBook-Pro:assignment-link abdullah$ cat file3
Hello, there
Abdullahs-MacBook-Pro:assignment-link abdullah$ █

Abdullahs-MacBook-Pro:assignment-link abdullah$ echo check hard link > file1
Abdullahs-MacBook-Pro:assignment-link abdullah$ cat file2
check hard link
Abdullahs-MacBook-Pro:assignment-link abdullah$ cat file3
check hard link
Abdullahs-MacBook-Pro:assignment-link abdullah$ █
```

Progressively delete the 3 hard links showing that on first and second unlink the file data still exist and that on the last unlink the file was deleted:

```
Abdullellahs-MacBook-Pro:assignment-link abdullellah$ rm file3
Abdullellahs-MacBook-Pro:assignment-link abdullellah$ cat file1
check hard link
Abdullellahs-MacBook-Pro:assignment-link abdullellah$ cat file2
check hard link
Abdullellahs-MacBook-Pro:assignment-link abdullellah$ 
Abdullellahs-MacBook-Pro:assignment-link abdullellah$ rm file2
Abdullellahs-MacBook-Pro:assignment-link abdullellah$ cat file1
check hard link
Abdullellahs-MacBook-Pro:assignment-link abdullellah$ 
Abdullellahs-MacBook-Pro:assignment-link abdullellah$ rm file1
Abdullellahs-MacBook-Pro:assignment-link abdullellah$ cat file1
cat: file1: No such file or directory
Abdullellahs-MacBook-Pro:assignment-link abdullellah$
```