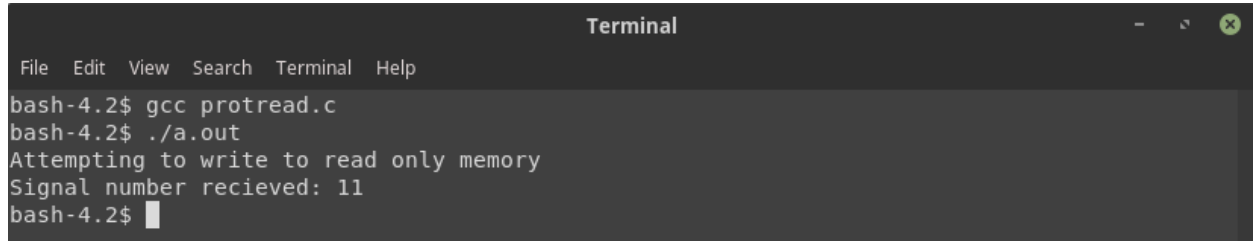


Joya Debi, Lucia Rhode
HW 5 sample runs
12/01/21

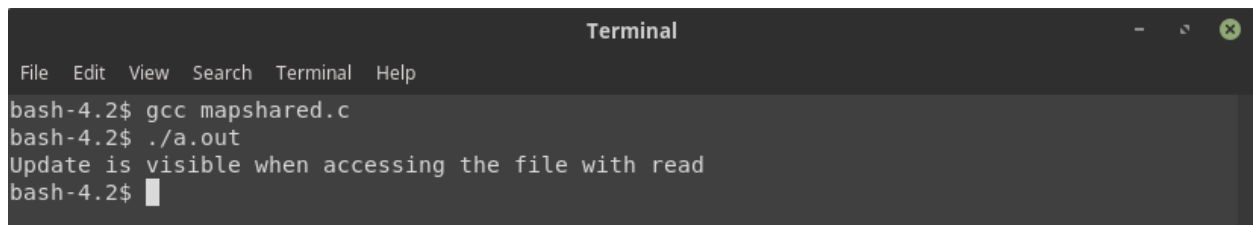
Test 1:



```
Terminal
File Edit View Search Terminal Help
bash-4.2$ gcc protread.c
bash-4.2$ ./a.out
Attempting to write to read only memory
Signal number recieved: 11
bash-4.2$
```

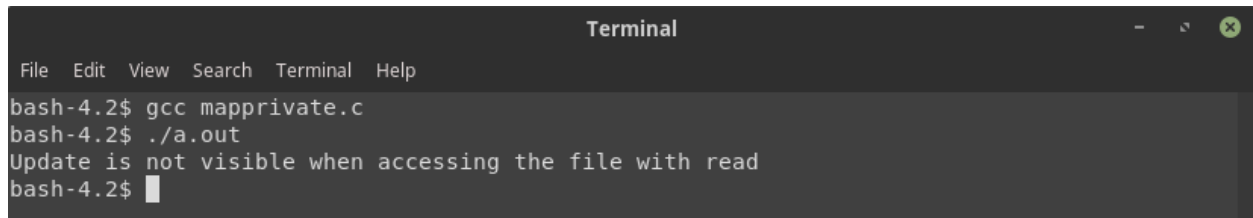
Aka we got a SIGSEGV

Test 2:



```
Terminal
File Edit View Search Terminal Help
bash-4.2$ gcc mapshared.c
bash-4.2$ ./a.out
Update is visible when accessing the file with read
bash-4.2$
```

Test 3:



```
Terminal
File Edit View Search Terminal Help
bash-4.2$ gcc mapprivate.c
bash-4.2$ ./a.out
Update is not visible when accessing the file with read
bash-4.2$
```

Test 4:

```
Terminal
File Edit View Search Terminal Help
bash-4.2$ gcc hole.c
hole.c: In function 'main':
hole.c:32:26: warning: cast from pointer to integer of different size [-Wpointer-to-int-cast]
        if(addr[i]== (char)NULL){
                        ^
bash-4.2$ ./a.out
file.txt opened!
4100 bytes written to file.txt
Bytes 4101 to 8192 in mmaped region are null
X written to byte 4102 of mmaped region
wrote 1 byte to offset 4500 in file.txt, thus creating a hole in the file
Value written in mmaped region is seen in file as: X
Writing to hole in file via mmaped region is visible in file via read!
bash-4.2$
```

*Suppress the warning lol