

The Cooper Union

PSET #5: Program Sample Runs

ECE-357

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## Sample Runs

- Test 1:

```
➤ ./mtest 1
Executing Test #1 (write to r/o mmap):
map[3]=='A'
Writing a 'B'
Signal Segmentation fault received
➤ echo $?
11
```

- Test 2:

```
➤ ./mtest 2
Executing Test #2 (write to MAP_SHARED/MAP_PRIVATE):
map[3]=='A'
Writing a 'B'
new map[3]=='B'
read == 'B'
Update is visible
➤ echo $?
0
```

- Test 3:

```
➤ ./mtest 3
Executing Test #3 (write to MAP_SHARED/MAP_PRIVATE):
map[3]=='A'
Writing a 'B'
new map[3]=='B'
read == 'A'
Update not visible
➤ echo $?
1
```

- Test 4:

```
> ./mtest 4
Executing Test #4 (writing into a hole):
map[4001]==' '
Writing a 'X'
New map[4001]=='X'
Read from file returns: 'X'
Writing to hole in mapped memory is visible.
> echo $?
0
```