Performance of mycat vs cat:

```
ap-user@ap-labs:~/ap-labs/labs/mycat$ time cat cat2.c
#include <stdio.h>
real    0m0.001s
user    0m0.001s
sys     0m0.000s
```

```
ap-user@ap-labs:~/ap-labs/labs/mycat$ time ./cat2 cat2.c
#include <stdio.h>
real    0m0.001s
user    0m0.001s
sys     0m0.000s
```

```
ap-user@ap-labs:~/ap-labs/labs/mycat$ time cat README.md
Lab - mycat
real    0m0.003s
user    0m0.000s
sys     0m0.001s
```

```
ap-user@ap-labs:~/ap-labs/labs/mycat$ time ./cat2 README.md
Lab - mycat
real    0m0.001s
user    0m0.001s
sys     0m0.000s
```

We can observe that the time that it took to run cat and cat2 are virtually the same, although cat2 was a bit faster than the GNU implementation of cat by .002 seconds real time and .001 seconds system time. The data is non-conclusive with such trivial tests, but a case can be made that cat2 is indeed a bit faster than GNU's cat, even if it was only tested with two files.