

Project 0 (Team 3)

```
3a@vc30.kaist.ac.kr: ~/pintos/src/threads
3a@vc30:~/pintos/src/threads$ ../utils/pintos -v -- -q run hello
Writing command line to /tmp/Cvne7FoTGE.dsk...
warning: can't find squish-pty, so terminal input will fail
bochs -q
=====
Bochs x86 Emulator 2.2.6
Build from CVS snapshot on January 29, 2006
=====
000000000000i[      ] reading configuration from bochsrc.txt
000000000000i[      ] installing nogui module as the Bochs GUI
000000000000i[      ] using log file bochsout.txt
Kernel command line: -q run hello
Pintos booting with 4,096 kB RAM...
374 pages available in kernel pool.
374 pages available in user pool.
Calibrating timer... 102,400 loops/s.
Boot complete.
Executing 'hello':
(hello) begin
hello, world!
(hello) end
Execution of 'hello' complete.
Timer: 42 ticks
Thread: 0 idle ticks, 45 kernel ticks, 0 user ticks
Console: 352 characters output
Keyboard: 0 keys pressed
Powering off...
=====
Bochs is exiting with the following message:
[UNMP ] Shutdown port: shutdown requested
=====
3a@vc30:~/pintos/src/threads$ █
```



`src/tests/threads/` directory has tests for threads project. I can add `hello.c` into the directory for actual test execution. It has one `printf` for printing "hello, world!" thing.

`src/tests/threads/tests.h` has basic functions for tests and declaration of `extern test_func` s for actual test. We declare `test_hello` `extern`:

```
extern test_func test_hello;
```

`src/tests/threads/tests.c` has static `const struct test` `tests[]` for the mappings of the test name to actual `test_func` to execute. We add the following line to it:

```
{"hello", test_hello},
```

`src/tests/threads/Make.tests` has a collection of test names and source for tests. Only we have to do is adding 'hello' to `tests/threads_TESTS` , and 'tests/threads/hello.c' to `tests/threads_SRC` .